E2R Formulations

Modular Software for Cooperation with Weighing Instruments

USER MANUAL ITKU-77-01-04-17-EN



TABLE OF CONTENTS

1.	GENERAL INFORMATION	6
	1.1. Intended Use	6
	1.2. Compatible Weighing Instruments	7
2.	START-UP	8
	2.1. Adding the First User	8
	2.2. Logging in Procedure	9
3.	HOME SCREEN	10
	3.1. Workpane	11
	3.1.1. Data Sorting	12
	3.1.2. Data Filtering	12
	3.1.3. Filter Editor	14
4.	PROGRAM SETUP	18
	4.1. Database	
	4.1.1. Setting up Connection	
	4.1.1.1. Databases backup	
	4.1.1.2. Restoring database copy	
	4.2. User Settings	
	4.3. Modes	
	4.3.1. Mode activation	
	4.4. Users Classes and Permissions Levels	
	4.5. Language	
	4.6. Update	
	4.6.1. Check Updates	
	4.6.2. Restoring Previous Software Version	
	4.7. Service Settings	
	4.7.1. Translations	
	4.7.2. Mode Setup	
	4.7.3. Additional Units4.8. Logout Procedure	
	4.8. Logout Procedule	
E	A.9. EXILOPERATION	
э.	5.1. Products	
	5.1.1. Adding / Editing Product	
	5.1.1. Adding / Editing Product	
	5.1.3. Deleting Product5.1.4. Product Finding and Filtering	
	5.1.4. Product Finding and Filtering 5.1.5. Reports on Products	
	5.1.5. Reports on Products	
	5.1.6. Production Line Editor	
	J.2. WAICHUUSE	40

5.2.1. Adding / Editing Warehouse	
5.2.2. Deleting Warehouse	
5.2.3. Warehouse Finding and Filtering	
5.3. Labels	
5.3.1. Adding / Editting Labels	51
5.3.2. Deleting Label	53
5.3.3. Labels Finding and Filtering	
5.4. Operators	53
5.4.1. Adding / Editing Operator	54
5.4.2. Deleting Operator	
5.4.3. Operator Finding and Filtering	57
5.4.4. Reports on Operators	
5.5. Universal Variables	
5.5.1. Adding / Editing Universal Variables	59
5.5.2. Deleting Universal Variables	60
5.5.3. Universal Variables Finding and Filtering	60
6. FORMULATIONS	61
6.1. Formulations Database	61
6.1.1. Adding/Editing Formulation	61
6.1.2. Deleting Formulation	65
6.1.3. Searching and Filtering Formulations	65
6.1.4. Formulations Reports	
6.2. Formulations/Reports Database	66
6.2.1. Adding/Editing Order	68
6.2.1.1. Change of Order Quantity	69
6.2.1.2. Changing Status of the Order	69
6.2.2. Deleting Order	70
6.2.3. Searching and Filtering Orders	
6.2.4. Order Report	70
7. REPORTS	71
7.1. Basic Reports	71
7.1.1. Current Table Reports	72
7.1.2. Weighing Operation Reports	73
7.1.3. Graph	74
7.2. Advanced Reports	75
7.2.1. Report on Product	77
7.2.2. Report on Operator	79
7.2.3. Report on Customer	
7.2.4. Report on Batch/Lot	
7.2.5. Report on Scale/Balance	
7.2.6. Report on Formulation	
7.2.7. Weighing Records Archives	

7.2.8. Batch Control	86
7.2.9. Reports Chooser	86
7.2.10. Viewing Large Number of Weighing Records	87
8. PRODUCTION	88
8.1. Inventory	
8.1.1. Adding New Transaction Document	
9. TOOLS	
9.1. Scale Viewer	92
9.1.1. Setting Connection with E2R SYNCHRONIZER	94
9.1.2. Scales Layout	96
9.1.3. Connecting/disconnecting E2R SYNCHRONIZER	97
9.1.4. Scales Setup	
9.1.4.1. Scales	
9.1.4.2. Global Options	111
9.1.5. Synchronizer	116
9.1.5.1. Local synchronizer Restart	117
9.1.5.2. Sending Messages to Scales	117
9.1.6. E2R Manager: Scales Status	
9.1.7. Scale panel	118
9.1.7.1. Connection Restart and Scale Update for E2R	
9.1.7.2. Sending Message to Scales	121

1. GENERAL INFORMATION

1.1. Intended Use

E2R Formulations enables: weighing ingredients of selected formulation on one or few weighing platforms, defining formulations with the ability to declare tolerance for given ingredient, reporting on carried out formulations. Formulations can be carried out directly or through production orders.

The network may contain one or many types of weighing instruments.

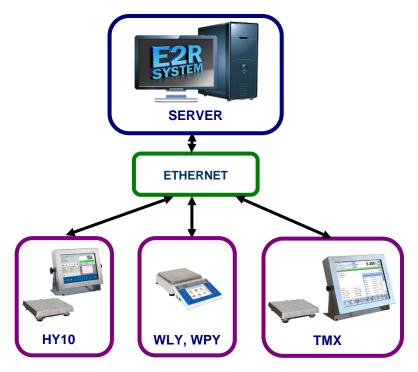


Diagram of E2R FORMULATIONS system in Ethernet network

Caution:

- 1. Due to the software update, some discrepancies may occur between this user manual's content and the actual state.
- 2. RADWAG does not bear responsibility for:
 - potential errors being a result of inappropriate use,
 - safety and potential data loss caused by the inappropriate use of

either software or computer, or lack of backup copy.

3. Mind that in case of loss of purchased medium, **RADWAG** will not provide you with archive software versions. You will be required to use the latest E2R **SYSTEM** update.

1.2. Compatible Weighing Instruments

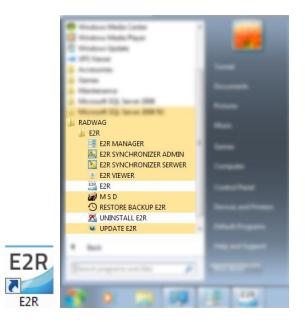
Due to the communication protocol, **E2R Weighing Records** software is compatible only with **RADWAG-manufactured** weighing instruments. Compatible weighing instruments series: **HY10**, **WLY**, **WPY**, **TMX**.



Prior software operation, set appropriate parameters on each of the weighing instruments in the network to ensure required measurement accuracy and correct cooperation. For detailed description of operating parameters refer to the user manual of a weighing instrument.

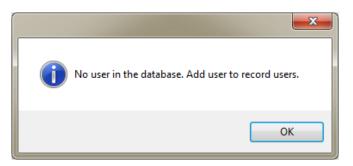
2. START-UP

To run the program press desktop icon or use Start Menu of the operating system: **START/PROGRAMS/RADWAG/E2R/E2R**.



2.1. Adding the First User

When running the program for the first time, message informing on an empty Operator Database is displayed. Press OK button, the program shall guide you through adding procedure.



Fill in the following fields: Code/Login, Password, First name and last name.

3 Adding first operator			
Code/Login (*)	1	First name and last name (*)	Administrator
(*) - Mandatory fields		Cancel and close	Save and close

Caution:

The first added user has administrator permissions level. Fill in all mandatory fields; the code is also a login.

Press Save and Close button to confirm introduced modifications.

2.2. Logging in Procedure

Upon running the program, it is obligatory to perform logging in operation. Enter **Login / Code** and **Password**.

Login (Code)	
Password	
Close	V Log in

Press **OK** button to confirm the entered values, the program displays Home Screen.

3. HOME SCREEN

Home Screen of E2R WEIGHING RECORDS software is displayed upon successfully completed logging in operation.

E2R SYSTEM								**	- 0) ×
Weighing records	E2R SQC	PGC	Checkweigher	Formulations	%要 Weighing	Scale viewer	Settings	😹 Logout	🛟 Help	Х
Formulations										
Formulations										
Formulations/Rep										
Card files										
Products										
Warehouses										
Labels										
Operators										
Universal variables										
Reports 🔺										
Basic reports										
Advanced reports										
Production 🔺										
E2R SYSTEM 2017.9.6										

The Home Screen has been divided into 4 sections:

- Top bar System toolbar,
- Side bar Navigation pane,
- Bottom bar Status bar,
- Workpane.

System toolbar features exit button along with pictograms activating operation modes, scales preview, parameters setup and logout operation.



Navigation pane comprises modules featuring buttons for activation program functions.



Status bar displays information on software version, logged in user, user permissions level, current operation mode and license type.

😨 E2R SYSTEM 2017.9.6.372 🛃 Servis 🧠 DEVELOPER 🛛 🖻 SERWIS KEY 🕴 FORMULATIONS RADWAGDEMOTESTS

Workpane has been designed to display windows triggered by Navigation Pane buttons. The windows provide all data and information.

3.1. Workpane

Data displayed in a workpane is taken form database. Measurements carried out using the system can be filtered and sorted. Filter mechanism has been designed to allow searching particular information for specified columns.

Sorting mechanism (grouping) features option of information summary for specified columns.

3.1.1. Data Sorting

Data displayed in a workpane of any available module can be freely sorted.

To group displayed data, first select particular column header, next drag it over area marked with red border and drop it.



Dropped header turns into a button with a name. Press the button once to enforce list sorting in either ascending or descending order.

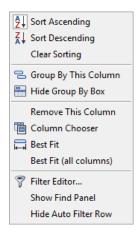
Product name									
	Product code	Product name 🔺	Description (Full Name)	EAN code	Nominal mass Qn	Unit	Tare	Min	Max
ę									

3.1.2. Data Filtering

In order to activate extra filtering options, press right hand top corner of particular column header. List of available options is displayed.

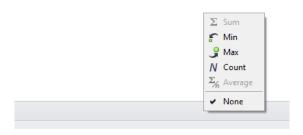
Product name 🔹 🔺

Click right mouse button to operate the following context menu with sorting options.



Where:

Sort Ascending Sort Descending Clear Sorting Group By This Column Hide Group By Box Remove This Column	Click to sort from A to Z Click to sort from Z to A Click to delete grouping filter Click to group data by selected column Click to hide quick grouping option Click to delete selected column, the column is no longer displayed in a window
Column Chooser	Click to run column view editor
Best Fit	Click to modify column width to get the most optimal view
Best Fit (all columns)	Click to modify all columns widths to get the most optimal view
Filter Editor	Advanced filter
Show Find Panel	Click to run common filter field allowing search all columns for specified value
Hide Auto Filter Row	Click to hide filter row option



Bottom workpane area features handy data filter allowing to generate 5 basic statistics for a particular column. To select statistics type, move the cursor over the bottom bar of a workpane and press right mouse button.

Basic statistics:

Sum	Click to display sum of all values of particular column
Min	Click to display minimum value of particular column
Max	Click to display maximum value of particular column
Count	Click to display quantity of rows of particular column

Average Click to display average value of particular column

Depending on data type there is a possibility of choosing all 5 options for a given column.

3.1.3. Filter Editor

Upon setting a filter, EditFilter button is displayed in the bottom part of a workpane. By means of this button Filter Editor window is activated where database data can be freely filtered.

📪 Filter Editor	23
And O	
[Control number] Is not blank 💿	
OK Cancel A	pply

Using the editor you can set one or many filtering conditions, this provides detailed filtering. It is possible to generate reports on the filtered data.

Filter Editor window provides the following filtering criteria:

a) Filtering groups (and, or, not and, not or)

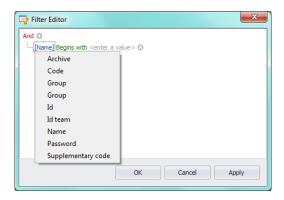
📴 Filter Editor	×
And O	
() And	ot blank ☺
Or Or	s with <enter a="" value=""> 🕲</enter>
Mot And	
On Not Or	
🖣 Add Condition	
🚽 Add Group	
≠ Clear All	
·	1
	OK Cancel Apply

Where:

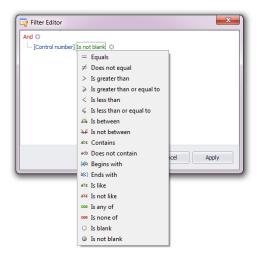
And	all filter criteria are met
Or	one of filter criteria is met
Not And	opposites of all filter criteria are met
Not Or	opposite of one filter criteria is met
Add Condition	adding a new filter criteria
Add Group	adding a new group of filtering criteria
Clear All	deleting all filtering criteria

b) Filtering conditions – outlines the data to be filtered and the methods of filtering:

- selecting a column for filtering



- selecting filtering range and method



Where:

Equals	Displaying all records of the selected column which
	provide the very entered value
Does not equal	Displaying all records of the selected column which
	provide different than entered value (opposite to filter
	"Equal")
Is greater than	Displaying all records of the selected column which
is greater than	provide values greater than the entered value,
la analatan than an	
Is greater than or	Displaying all records of the selected column which
equal to	provide values greater or equal to the entered value,
Is less than	Displaying all records of the selected column which
	provide values lower than the entered value,
Is less than or	Displaying all records of the selected column which
equal to	provide values lower or equal to the entered value,
Is between	Displaying all records of the selected column which
	provide values comprised within range specified by
	two given values
Is not between	Displaying all records of the selected column which
	provide values not comprised within range specified
	by two given values
O a m taim a	
Contains	Displaying all records of the selected column which
	include the given string of characters
Does not contain	Displaying all records of the selected column which
	do not include the given string of characters
Begins with	Displaying all records of the selected column which
	1,0

	begin with the given string of characters
Ends with	Displaying all records of the selected column which
	end with the given string of characters
Is like	Displaying all records of the selected column which provide values of particular beginning and end, the filtering criterion has the following format "begin%end"
Is not like	Displaying all records of the selected column which do not provide values of particular beginning and end, the filtering criterion has the following format "begin%end"
ls blank	Displaying all records of the selected column which are empty
Is not blank	Displaying all records of the selected column which are not empty
Is any of	Displaying all records of the selected column which provide values that are the same as one of the given patterns
Is none of	Displaying all records of the selected column which provide values different from all of the given patterns – opposite to "Is any of" filtering

Here you can specify the exact criterion for filtering the selected column, e.g.: if you want to get a result concerning product **"Apple"** choose **"Name** - Equals – value: Apple". Press **"+"** button, located next to the filtering group, to add another criterion.

Having completed operating Filter Editor, when all necessary filters are set, press **Apply** button, the filter gets activated.

The bottom bar displays selected filter type.

SUM+1
X 📝 Starts with (Product name), 'Product') + Edit Filter

4. PROGRAM SETUP

To run program setup, press Settings button located on the system toolbar.



4.1. Database

Press X Cancel and exit

Database function allows the following: checking connection with the database, database relocation when the program is run by an additional computer, providing backup copy and running server-stored copy.

To start database setup go to **Settings** module and press Database button.

base 🌄	Check connection	Connect	ction setup 💥	Cancel and exit
	base	base 🤯 Check connection	base 😡 Check connection 🖉 Connec	base 🤯 Check connection 📀 Connection setup

Database setup features the following functions:

Update Database	Press to update database to which E2R program is connected. Use this function upon swapping form one database to another one.
Check connection	Press to check whether connection between E2R and database is correct.
Connection Setup	Press to establish connection with database when the database and E2R program are stored on separate computers.

button to cancel introduced changes.

4.1.1. Setting up Connection

Press <u>Connection setup</u> button to activate window with database settings providing parameters for connection.

Database connection settings		
Connection		
Server		Show available servers
(local)\BAZARADWAG2008R2	<< Set server <<	.
Login		
sa		
Password		

Database		Show available databases
E2R_SYSTEM	<< Set base <<	
Test connection		
Restore the latest database backup copy		Microsoft SQL Server
Perform database backup		
	📮 Sa	ve and exit X Cancel and exit
	E 30	

Where:

Show available servers	Press to find available local Ethernet servers.
Set server	Press to set server selected form list of available servers.
Serwer (IP)	IP or name of server with running SQL server (add also server instance if declared). Format: SERVER\INSTANCE By default: (local)\bazaradwag2012
Login	Operator's name, by default sa
Password	Operator's password, by default Radwag99 The password is coded, it cannot be discovered by a random person.
Show available databases	Press to search server and find available databases.
Set base	Press to set database selected form list of available databases.

Database SQL database name, by default E2R

CAUTION!

When mulitiworkstation version has been installed, provide Server (IP) field with IP address or name of server with SQL database.

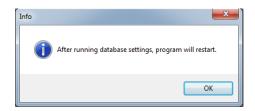
To check connection with database, press **Test connection** button. **Connection String** window, featuring previously specified data, is displayed.



Press **OK** button to confirm, window informing on connection status is displayed.



Close Database Settings window, you shall see message informing you about restart, press **OK** button to confirm.



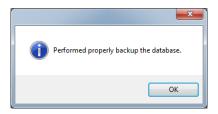
4.1.1.1. Databases backup

Complete backup copy of SQL database can be carried out by means of a computer with running SQL database engine. To provide backup copy, go to **Database Settings** window and press **Perform Database Backup** button.

Window allowing you to select backup copy destination folder is displayed. Select the folder and press **Save** button.

🖳 Save As		
Ulbrarie	es 🕨 Documents 🕨 👻 🐓	Search Documents
Organize 👻 New fo	lder	8⊞ ▼ 🔞
Favorites	Documents library Includes: 2 locations	Arrange by: Folder 🔻
Downloads	Name	Date modified Type
incent faces	E No items match y	/our search.
🕞 Libraries		
Documents Music		
E Pictures	*	
🛃 Videos		
🖳 Computer		
🚣 Local Disk (C:)	▼ <iii.< p=""></iii.<>	4
File name: e2r	_system	•
Save as type: Bac	kup	▼
Hide Folders		Save Cancel

Message informing about completed backup copy creation is displayed.

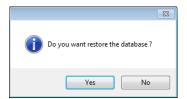


4.1.1.2. Restoring database copy

Restoring complete backup copy of SQL database can be carried out by means of a computer with running SQL database engine. To provide backup copy, go to **Database Settings** window and press **Restore the latest database backup copy** button.

Restore the latest database backup copy

Respective request is displayed, press **Yes** button to confirm that you do want to restore the database.



Window allowing you to select destination folder for restored database is displayed.

Open	► Documents ► 🗸 🎸	Search Documents	<u>ح</u>
Organize New folder			
★ Favorites ■ Desktop	Documents library Includes: 2 locations		Folder 🔻
🐌 Downloads 🗐 Recent Places	Name ^	Date modified 17/09/2015 13:24	Type BAK File
☐ Libraries ■ ☐ Documents ↓ Music ■ Pictures ■ Videos			
I Computer Local Disk (C;) Im DVD Drive (D;) VN ⊋ Shared Folders (\	۲. III		•
File na	me: <mark>e2r_system </mark>	Backup Open	▼ Cancel

Restoring the database takes from few seconds to several tens of seconds which is conditioned by database size. Successfully completed operation is signalled by the following message:



CAUTION!

While restoring database, all current data is substituted with the backup copy data.

If the system operates using HTY, WPY, WLY scales and 3Y balances, and if the data stored by them has not been removed then on connection establishment, supplementary weighings and info is loaded from the devices to the system.

4.2. User Settings

To run **User Settings** go to **Settings** module and press a User settings button.

Company Details tab:

eneral options	Logging options	Formulas options	Records settings	
	Logging options	r ormalas options	Nector us sectorings	
Company detai	ls			
🕟 Compan	y nam			Å •
Adress				A
				Ψ
Time range for	reports			
	anual Ibl. 24			
🥹 Back inte	erval [h]: 24			
Transponder ca	ard reader settings			
	- I . COM	1		~
Select T	C reader port COM	1	e	·
		A	Test	

Where:

General options tab:

Company DetailsCompany name displayed on PGC Reports.AddressCompany address displayed on PGC Reports.Time interval forDefault time interval for displaying windows
containing date filter.

Select TC reader Parameters for port to which transponder card reader is connected.

Logging options tab:

User settings				x
General options	Logging options	Formulas options	Records settings	
- Automatic logo	ut			
Log out automa	atically after:	0	minutes of inactivity	(0 disables function)
Require op	erator password			
Password chan	ge			
	ssword change			
Password expir	es after [days]	0		
Strong pas	sword			
- Automatic logg	ing			
Automatic I	ogging			
Operator				
Password				
Password				
		🔀 Ca	ncel and close	Save and close

Where:

Automatic logout	Option providing auto logout. The operation is performed after passage of specified time interval where time is given in minutes. Countdown starts at the moment of the latest noted activity. Bottom bar displays remaining time. 0 value disables auto logout function.
Password change	Option ordering the operator to change the password.
Password expires after [days]	Option specifying for how many days the password is to be valid.
Strong password	6-character long password with at least one digit and one special sign is required.
Automatic logging	Option providing automatically carried out logging operation.

Formulations options tab:

Order number			
Model order nu	umber		
ZL-#nk#/#yy	yy#-#MM#-#dd#		
Preview			
Default wareh	ouse		
	ouse		Clear wareho ree
Default wareh Source Target		* *	Clear warehouses
Source	Purchase		Clear warehouses
Source	Purchase		Clear warehouses

Order template	number	Default order number template inserted when adding new order in the Formulations/Reports tab. Acceptable formats
		<pre>#yyyy# - 4-digit year #yyy# - 2-digit year #MM# - month #dd# - day #HH# - 24-hour format #mm# - minute #ss# - second #nk# - next number #nkd# - next number of a day #nkm# - next number of a month #nkm# - next number of a year</pre>
Default ware	house	Default source and target warehouses set when adding new formulation.

Records settings tab:

eneral options	Logging options	Formulas options	Records settings	
Uniqueness of	products code			
	Required			
	Not required			
Dura and Kala as	pies of the program			
	ples of the program			
Allow	pies of the program			
	pies of the program			
	pres of the program			
	pres or the program			
	pres or the program			

Uniqueness	of	Enabling or disabling the need for providing
products code		unique products codes.

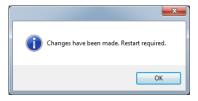
Run multiple copies of
the programEnabling few software copies on one
computer..

4.3. Modes

To swap between modes, go to **Settings/Service settings** menu and press Modes button. Window providing list of available modes is displayed, select the mode you need and press **Set the Selected Mode** button.

ctive mode WEIGHING RECORDS	Mode key		
vailable modes			
CHECKWEIGHER			
WEIGHING RECORDS			
PGC			
FORMULAS			
SQC			
	Set selected mode		
	Set selected mode		
iter the passkey	Set selected mode		
nter the passkey		m file	
	Set selected mode	m file	
nter the passkey		m file	
		m file	

The following message is displayed, press **OK** button for confirmation.



4.3.1. Mode activation

Mode activation is required during first installation of the E2R software and to increase the quantity of weighing instruments connected to the software. In case of the version for multiple workstations, the activation can be carried out on any computer connected to the system.

Active mode FORMULATIONS	Mode key	
Available modes		
CHECKWEIGHER WEIGHING RECORDS PGC		
FORMULATIONS		
SQC WEIGHING		
	Set selected mode	
inter the passkey	Set selected mode	
inter the passkey	Set selected mode	
inter the passkey Assign key to the mode		

Select the mode out of available modes list, next enter passkey using a keyboard. Press **Assign Key to the Mode** button to activate selected mode.

Another method for mode activation is to load key from file. The licence file is to be found on a CD comprising the software, or it can be acquired by an e-mail.

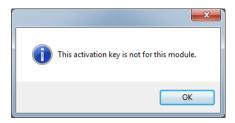
Press **Load Key From File** button, Windows OS dialog window opens, using it find directory storing file with the key. Select the respective file and press **Open** button.

🖳 Otwieranie			×
🚱 🗢 🗣 🕷 🖉 🖉	NCJA 👻	🐓 Przeszukaj: Li	ICENCJA
Organizuj 🔻 Nowy folder			····
> 🔆 Ulubione	Nazwa	Data modyfikacji	Typ R
D 🧊 Biblioteki	DEMO EWIDENCJA.key	2013-04-26 08:15	Wpisy rejestracji
🖻 輚 Grupa domowa			
🕑 🖳 Komputer			
⊳ 🗣 Sieć			
	٠	11	+
<u>N</u> azwa pliku: o	penFileDialog1	✓ Key (*.key) <u>O</u> twórz	▼ Anuluj

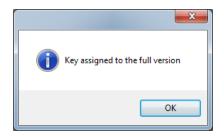
RADWAG licence is displayed in Enter the Passkey box.

Active mode FORMULATIONS	Mode key
Available modes	
CHECKWEIGHER WEIGHING RECORDS PGC	
FORMULATIONS SQC WEIGHING	
	Set selected mode
Enter the passkey	
RCI	Load key from file
Assign key to the mode	
	Close

Select a particular mode, next press **Assign Key to the Mode** button. If wrong mode has been selected, i.e. mode mismatching the key, you shall see the following message.



Now, modes list features the mode with assigned full program version licence.



Now, modes list features the mode with assigned full program version licence.

Select a particular mode and press **Set the Selected Mode** button, now close the window.

4.4. Users Classes and Permissions Levels

This module has been designed to enable/disable access of each authorization group to particular program functions.

Permissions levels for scales-terminal:

Scales -		Authorizati	on group	
Terminals	Administrator	Advanced	Standard	Basic
WPW - PUEC41H	Administrator	Advanced Operator	Standard Operator	Standard Operator
WLY, WPY - PUE7.1	Administrator	Advanced Operator	Standard Operator	None
HY10	Administrator	Advanced Operator	Standard Operator	None
3Y,4Y	Administrator	Advanced Operator	Standard Operator	None
TMX - PUE5	Administrator	Advanced Operator	Standard Operator	Basic Operator

CAUTION!

It is not recommended to edit or delete already created authorization groups since they are strictly related to authorization groups on a computer and measuring devices.

By custom if any authorization group is modified or deleted the program restores it with a default name after computer restart. Group names can be modified, to do it contact RADWAG.

To start authorization of users and groups click S^{USER GROUPS RIGHTS} button located in **Settings/Service settings** menu.

Group Rights tab has been designed to allow setting permission rights with regard to particular program modules.

up rights Group	Access rights					
		Group: Ad	ministrator	*		
nctions availa	able for the selected group			Fund	ions	not available for the selected grou
Forms	<u>-</u>	-		•	<u> </u>	Forms
	R Formula - Formula		Assign access for all		<u> </u>	Records
Dat	tabase - Orders	4			<u> </u>	KTP
Sto	cks - Status		Assign access to selected		- A	KTP.KTP_KONTROLS_USUWANIE
Sto	cks - History	D.D.				KTP.ZMIENPARIA
Dat	tabase - Products	-	Remove access to all			KTP.ZMIENLICZNOSC
Dat	tabase - Clients					KTP.DODAJUWAGI
Dat	tabase - Stocks		Remove access to selected		<u>a</u> []	Stocks
Dat	tabase - Package	_			<u>a</u>	Database Formula
🚽 Dal	tabase - Operators				<u>a</u>	Reports
E28	R Weighing Records - Weighing				<u>a</u>	Settings
🚽 E29	R Weighing Records - Transaction				<u>a</u>	E2R Weighing
🚽 E26	R Weighing Records - Orders				<u>a</u>	sqc
	R Formula - Formula PUE 41/7/HY				<u>a</u>	E2R Moisture analyzer
	R CPG - Delete report				<u>a</u>	Datadase Transaction
🚽 E25	R KTP - Zmiana partii				<u>a</u>	Database Weighing
🚽 E29	R KTP - Dodanie uwag				<u>a</u>	Datadase Order
	toteka - Samochody					
🚽 Kar	toteka - Procesy identyfikacji					
a 🚽 🔒 Record	s					
Pro Pro	duct - Delete					
Pro Pro	duct - Add					
Pro Pro	duct - Edit					
gî Op	erator - Delete					
gî Op	erator - Add					
gî Op	erator - Edit					
🚽 Sto	ck - Add					
🚽 Clie	nt - Edit	~				

Select a given group using **Group** drop-down menu, add or remove permission levels for the selected group.

On the left there is a list of functions available for a given authorization group. In order to block access to a particular function, delete it.

On the right there is a list of functions unavailable for a given authorization group. It is possible to add a given function to the list on the left in order to make it accessible.

Buttons for disabling/enabling permissions levels:



Press to enable access to all functions (for a particular group).



Press to enable access to any function selected from the list on the right (for a particular group).



Press to block access to any function selected from the list on the left (for a particular group).



Press to block access to all functions (for a particular group).

Group tab provides list of defined groups of users.

Gro	oup rights Group Access rig	ghts							
				+	Add	~	Edit	×	Delete
Dr	rag a column header here to group	by that column							
	Computer authorization group	Scale authorization group							
Þ	Administrator	Administrator							
	Zaawansowane	Advanced							
	Standardowy	Standard							
	Podstawowe	Basic							

Where:

Add	Press to add group of users
Edit	Press to edit selected group of users
Delete	Press to delete group of users
Save	Press to save settings

When adding a new group of users first name it, next assign it to one of scale authorization groups.

Access Rights tab stores all codes and functions names assigned to the codes, the functions names are displayed on the list in **Group rights** tab.

up	righ	ts Group Access rights							
				+	Add	~	Edit	×	Delete
ic	ł	Code	Name						
	1	REC.AddRec	Formula - Add						
	2	REC.Edit	Formulas - Edit						
	3	REC.Del	Formulas - Delete						
	4	KAR.TowDel	Product - Delete						
	5	KAR.TowAdd	Product - Add						
	6	KAR.TowEdit	Product - Edit						
	7	KAR.UserDel	Operator - Delete						
	8	KAR-UserAdd	Operator - Add						
	9	KAR.UserEdit	Operator - Edit						
	10	FRM.RecShow	E2R Formula - Formula						
	11	FRM.ZlecShow	Database - Orders						
	12	FRM.StanyShow	Stocks - Status						
	13	FRM.HistMagShow	Stocks - History						
	14	FRM.TowaryShow	Database - Products						
	15	FRM.KontrShow	Database - Clients						
	16	FRM.MagShow	Database - Stocks						
	17	FRM.OpakShow	Database - Package						
	18	FRM.OperShow	Database - Operators						
	19	FRM.WazShow	E2R Weighing Records - Weighing						
	20	FRM.TransShow	E2R Weighing Records - Transaction						
	21	ZLE.DelZlec	Orders - Delete						
	22	ZLE.AddZlec	Orders - Add						
	23	ZLE.EditZlec	Orders - Edit						
	24	ZLE.RapZbiorczy	Orders - Report Summary						
	25	ZLE.RapPoj	Orders - Report Single						
	••			X			G		

4.5. Language

To swap between software languages go to **Settings** module and use **Language** combo box providing you with list of available languages.

۰.	Language	EN	*

Where:

PL	Polish
EN	English

4.6. Update

Use this option to either update your software version or to restore old copy.

Caution!

The update is available for customers with the appropriate service package.

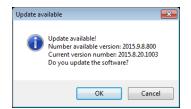
4.6.1. Check Updates

To check updates availability go to **Settings** module and press Update check button or use Start Menu of the operating system: **START/PROGRAMS/RADWAG/E2R/UPDATE E2R**.

If you own the latest software version the following message is displayed:



If there are new software versions available the following message is displayed.



Press **OK** button to start updating your software version. Necessary files pack is downloaded from the server.

Downloading		E	3
	Downloading		
	Downloaded 2.0MB From 28.0MB		
		Cancel	

E2R, E2R Manager (scales viewer) and EP (parameters' editor) programs are archived prior to swapping old files with the newly downloaded ones. You can skip this step but remember that it would mean lack of possibility to restore previous software version.

CAUTION!

Internet connection is necessary for update purposes. Backup copy is provided in case you shall need to restore old software version.

4.6.2. Restoring Previous Software Version

Restore from backup	×
Backups Backup_E2R_06_08_2015_08_14_43.zp Backup_E2R_14_07_2015_11_01_47.zip Backup_E2R_26_06_2015_11_50_55.zip	
Directory backups: CNProgram Files\RADWAG\E2R\Backup))

CAUTION!

Files for previous software versions are stored at a default location: C:\Program Files\Radwag\E2R\Backup. At each update a new backup is created but only three latest copies are saved. Restore Old Version option restores the program only, data stays unchanged. For instruction on how to provide backup and restore backup copy read 4.1. section of this manual.

4.7. Service Settings

To run Service Settings go to **Settings** module and press *Service* settings button.

CAUTION!

All service settings are intended for RADWAG employees exclusively.

4.7.1. Translations

To run Translations, go to **Settings/Service Settings** module and press Translations button.

Tran	anslate									
									×	Delete
	×	Enter text to search		* Find	Clear					
	Cat	tegory 🔺								
		ag	Translation text							
9										
'		Category: Button Category: Chart_Axis_name								
		Category: Chart_Line_name Category: Chart_Line_name								
		Category: Chart_Series_name								
		Category: CheckEdit								
		Category: Column								
		Category: Form								
		> Category: Label								
		Category: LayoutText								
	0	Category: MenuBar								
	C	Category: NavBarItem								
	C	Category: TabPage								
							×	Close	i.	Save

To rename particular word/caption/phrase use **Find** option of **Translate** window, first enter respective word/caption/phrase, next press Find button, finally rename the word writing new name version in Translation text column.

Another method for renaming word/caption/phrase requires pressing Ctrl+Alt buttons and clicking the name that is to be changed, both these operations performed simultaneously. **Renaming** window is displayed, enter the new name version.

Renaming				×
Add				
×	Close	i.	Save	

4.7.2. Mode Setup #FrmSettingsForDealers#

To carry out setup of currently operated mode go to **Settings/Service settings** menu and press **Mode Setup** button.

Configuration modules		
Bookmarks		
RWS RECEPTURY 2 Card files Raports Production Production Production SQC Controls LINIE PRODUKCYJNE RAPORTY PODSTAW. ARCHIWUM RYBY Liczenie Sztuk DYNAMICZNY ONLINE TOOLS	Rws Ustawienia Pomiary	
		Save and exit

Mode setup consists in editing side toolbar pane, you can decide which modules and program functions are to be hidden, which visible.

Mode setup window features two lists, one on the left - groups of functions, one on the right – functions. Functions list vary depending on selected group of functions.

4.7.3. Additional Units

Additional units are assigned to a product (description in section **Błąd! Nie można odnaleźć źródła odwołania**..) The value of the additional unit is the product of basic unit value (e.g. 1000g, 1kg) multiplied by the multiplier. In order to add new additional unit, press **Add** button.

23	Additiona	l units 🄲 — 🗆 🗙
		🕂 Add 🖌 Edit 🗶 Delete
	Name	Description
Þ	pcs	pieces
		Add unit
		Save and close
		Close

4.8. Logout Procedure

To log out press 🚰 Logout button, next press Close button to confirm.

If you do not want to stop operating the software, provide **Login (Code)** and **Password**, next press **Log in** button to confirm.

	Login (Code)	
	Password	
	X Close	V Log in

4.9. Exit Operation

To exit the program press to button, respective window requesting your confirmation is displayed.



Press **Yes** button to exit, press **No** button to display Home Screen of E2R SYSTEM software.

5. DATABASES

E2R Formulations contains the following databases:

- Products,
- Warehouses,
- Labels,
- Operators,
- Universal Variables,

Card files may be edited on a computer, using scales for card files edition is impossible.

Upon adding new record or editing an existing one (e.g. product, warehouse, label, operator, universal variable) it will be updated in the weighing instrument after 1 minute maximum.

5.1. Products

Product database allows managing records of products weighed using the network-connected scales. To run **Products** module, press **Products** button of the side toolbar.



Products window:

33 4	33	A	Unit mass	Unit	Min	Max	Min 2	Max 2	Tare
33	33								
	33								
-	4		3	kg					
5	5			9					
				9					
	9								
1	Product 1		1		0.16	0.18	0.155	0,185	
2	Product 2				150	160	140	170	
3	Product 3		10	g					
	2	7 7 8 8 9 9 1 Product 1 2 Product 2	7 7 8 8 9 9 1 Product 1 2 Product 2	7 7 8 8 9 9 1 Product 1 1 2 Product 2 1000	7 7 9 1 1 Product 1 1 kg 2 Product 2 1000 p	7 7 9 9 8 8 9 9 9 9 9 9 1 Product 1 1 kg 0.16 2 Product 2 1000 g 150	7 7 7 7 8 8 9 9 9 9 9 9 1 Product 1 1 160 2 Product 2 1000 9 150	7 7 9 9 9 8 8 9 9 9 9 9 9 9 9 1 Product 1 1/80 0.16 0.18 0.155 2 Product 2 1000 g 150 160 140	7 7 0 0 1 1 1 1 Product 1 1 1000 0 1.55 1.66 1.40 1.70

5.1.1. Adding / Editing Product

To add a new product to the datab	ase,	press	+	Add	button.
To edit a particular product, press	~	Edit	butto	on.	

Product editor (window for adding and editing product records):

ANDARD LABELING	CUSTOMIZED SETTINGS	DOSING	NUTRITION		
	COSTONIZED SETTINGS	DODING	Nonation		
- Weight				Labeling / commercial settlement	
💡 Unit mass			÷	🚿 Price	\$
(ct) Unit	g		-	Number days of validity	¢
🕋 Tare			÷	Additional days of expiry period	÷
📩 Min			÷	40 Date	
🌧 Max			\$	EAN	
Min2			¢	💓 VAT [%]	÷
Aax2			¢	L Temperature	
Production line				Description	
Production line			-		

Where:

Code *	Product code
Name *	Product name
Raw material	Marker for WPW scale, when ticked the product is treated as an ingredient
Archive	Marker set upon deletion of a product when weighings for the product still exist in a database. When ticked it prevents products from being sent to scales.
Standard scale **	Press to modify window look. Fields for PUE 7, PUE 5 are displayed, exclusively.
R balance **	Press to modify window look. Fields for R balance are displayed, exclusively.
3Y balance **	Press to modify window look. Fields for 3Y balance are displayed, exclusively.
Standard tab:	
Unit mass	Single piece weight
Unit	Weight unit (by default g)

Tare	Tare value for products with constant tare
Мах	High weight limit
Min	Low weight limit
Max2	Supplementary high weight limit
Min2	Supplementary low weight limit
Price per unit	Single piece price
Shelf-life in days	Product shelf-life in days.
Additional shelf-life days	Additional days of shelf-life.
Date	Field for entering date.
EAN 13	EAN code
VAT [%]	Value Added Tax
Temperature	Temperature box, printed on a label, option for TMX scale
Overview	Information on product
Production line ***	Production line to which particular product is assigned

(*) – mandatory fields

(**) – button not intended to assign a given product to particular balance/scale type. Product displayed for all balances/scales.

(***) – product assigned to the production line is displayed on scales of the particular line exclusively.

Labelling tab:

Label Field WLY, WPY, HTY, TMX Label Field WPW	Editing ingredients lines supported by WLY, WPY, HTY, TMX scales Editing ingredients supported by WPW scale
Label	Individual label name, assigned to a product
C Label (cumulative label)	Cumulative label name, assigned to a product
CC Label (cumulative label for group of cumulative labels)	Name of cumulative label for group of cumulative labels, assigned to a product

Customized settings tab:

Multiplier	The number crucial for calculating the value
Additional unit	of additional unit. Any unit (for detailed description of how to
Additional unit	Any unit (for detailed description of now to

	add additional unit refer to section Błąd! Nie
	można odnaleźć źródła odwołania.).
Category *	Category to which a product is assigned. To
	edit category, press Edit category button
	(this applies to WLY, WPY and HY10
	weighing instruments).
Basic image	Small graphic displayed near product name
	in the weighing instrument database.
Extra image	Large graphic - can be displayed on the
-	weighing instrument home screen (this
	applies to WLY, WPY and HY10 weighing
	instruments).
/// .	

.

.

(*) - **Categories** are used to divide products database into folders (categories) in order to optimize grouping of individual records. For detailed description of enabling products categories refer to the user manual of a weighing instrument.

Dosing tab:

Dosing output number*	Enables setting outputs for dosing (precise dosing for 2-threshold dosing).
Fast dosing output number* Threshold [%]**	Enables setting outputs for fast dosing during 2-threshold dosing. Threshold for switching the outputs during 2- threshold dosing.
Correction	Numerical value of dosing correction.
Automatic dosing	Outputs are enabled upon selecting an ingredient.
Save formulation modification	The value of dosing correction and automatic dosing option is modified in formulations containing currently edited product.
Mass for fast dosing***	Mass of ingredient for fast dosing (in case of 2-threshold dosing).

(*) – The outputs are used in dosing and formulations modes.

(**) – The threshold is used in formulations mode.

(***) – Mass for fast dosing is used in dosing mode.

Nutrition facts tab:

The tab contains basic and additional nutrition facts.

When all required product data has been entered save the settings, to do it press Save and exit button.

5.1.2. Editing Ingredients

To add and edit the ingredients press button.

ingredients WLY, WPY, HTY 3Y ingredient 1, ingredient 2,	- Ingredients ar	ea size		
ingredient 3, ingredient 4		Width:	27	characters
	Height:			
	2		Ingredients size	area
	rows		are	
	Selecte - standa Bold font languag	rd font		ected text old font
	- standa	rd font		old font

If any of the ingredients is an allergen and it is to be marked out (bold or underlined font) then select it and press "**Selected text – distinguished font**" button.

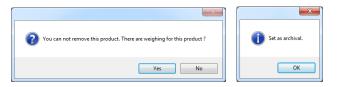
Ingredients field size box features data necessary for label preparation carried out by means of label creator. While adding ingredients section to a label, it is necessary to specify width and number of columns that is to be comprises within the section. Depending on a selected font, the selected ingredients shall be either bold or underlined.

5.1.3. Deleting Product

To delete a particular product from a database press \times button. The following message is displayed, press **Yes** button to confirm deletion of a selected product.



If a database stores weighing records of the selected product, then it cannot be erased, for such a case the record is attributed as an archive one.



Products attributed as archive ones are not displayed on a balance.

5.1.4. Product Finding and Filtering

Each product registered by the system can be found by name, number etc., i.e. by an appropriate string of characters entered in a given column.

	Code	Name 🔺	Mass	Unit	Max	Min	Tare	Price	Archive
٩									

After typing the characters in the selected column, a list of products with the same string of characters is displayed.

To delete a filter for products display, press Sean filter button.

CAUTION!

Information displayed in Products window can be sorted and filtered with use of additional filtering options. For details read section Błąd! Nie można odnaleźć źródła odwołania. and Błąd! Nie można odnaleźć źródła odwołania. of this manual.

5.1.5. Reports on Products

To generate report featuring list of products go to Products window and press report button. The report may be printed on a printer, sent via an e-mail or saved to file.

(P	Previ	iew	-								-							
	File	View	Backg	round														
1	H			80	¥ 🗳	3	Q	۹ 10	0% •	•	I N	4	Þ	•		• 🖂	- 🖾	-

Quick launch bar is available in a preview window of a generated report.



Basic functions accessible directly via quick launch bar:



quick printout with the use of default printer,

option for saving and reopening of a printout in a dedicated, for this kind of report, file format,



printout export to numerous file formats: PDF, HTML, MHT, RTF, Excel, CSV, Text, Image.

5.1.6. Production Line Editor

PRODUCTION LINE EDITOR has been designed to provide production line databases managing. Press Edit production lines button, production lines window is displayed.

Production lin	es								• ×
Production lines	Scales - production lines								
				+	Add	✓	Edit	×	Delete
Drag a column hea	der here to group by that co	lumn							
Name									
1									
2									
3									
4									
5									
6									
7									
8									
								c	lose

To add a new production line go to **Production Line** tab and press **Add** button, provide line name and press **Save and Close** button.

Now go to Scales production lines tab.

Production line	15				
Production lines	Scales - production lines				
Other scales: Pue 7.1		Product	tion line	Scale in line:	
Pue 7.1 PUE5		2		•	
PUE5.15			Remove all		
			Remove selected		
			Assign all		
			Assign selected		
				E	Close

Using **Production line** combo box, select newly added production line name. To assign selected scales to the newly added production line use centrally located arrow buttons. With the arrow buttons move selected scales from the left pane to the right pane.

- Press to delete all scales form the production line
 - Press to delete one selected scale form the production line
 - Press to assign all scales to the production line
 - Press to assign one selected scale to the production line

Press **Yes** button to make introduced changes valid.

8
Add scales/balances to manufacturing line?
Yes No

5.2. Warehouse

Warehouses database allows managing records of warehouses. To run **Warehouses** module, press **Warehouses** button of the side toolbar.



Warehouse window:

	Warehouses ×					4 ≯
			🟂 Refresh 🌄 Clean filter	- Add	V Edit	X Delete
Dra	ag a column header here to gr	oup by that column				
	Code	Name	Full name	Archive		
۴						
Þ	4	Sale	Sale			
	2	Purchase	Purchase			
	3	Warehouse 1	Warehouse 1			

5.2.1. Adding / Editing Warehouse

To add a new warehouse to the datab	ase,	press	۰.	Add	button.
To edit a particular warehouse, press	~	Edit	butto	on.	

Warehouse editor (window for adding and editing warehouse records):

S Warehouses editor		
6 Code (*)	Name (*)	
Full name Overview		
(*) - mandatory fields archive		
	Cancel and exit	Save and exit

Where:

Code *	Warehouse code
Name *	Name – abbreviated form
Full name	Full warehouse name
Overview	Warehouse overview
Archive	This marker, when ticked, prevents warehouses from being sent to scales
Wastes warehouse**	Selection of the warehouse in which loss state is changed during formulations process.

(*) - mandatory fields.

(**) – This applies to TMX weighing instrument.

5.2.2. Deleting Warehouse

To delete a particular warehouse from a database press **X** button. The following message is displayed, press **Yes** button to confirm deletion of a selected warehouse.



If a database stores records of the selected warehouse, then it cannot be erased.



It is necessary to delete all weighings for a particular warehouse first.

5.2.3. Warehouse Finding and Filtering

Each warehouse registered by the system can be found by name, number etc., i.e. by an appropriate string of characters entered in a given column.

	Code	Name	Full name	Archive
۴				

After typing the characters in the selected column, a list of warehouses with the same string of characters is displayed.

To delete a filter for warehouses display, press Cean filter button.

CAUTION!

Information displayed in Warehouses window can be sorted and filtered with use of additional filtering options. For details read section Błąd! Nie można odnaleźć źródła odwołania. and Błąd! Nie można odnaleźć źródła odwołania. of this manual.

5.3. Labels

Labels database allows managing records of labels. To run **Labels** module, press **Labels** button of the side toolbar.



Labels window:

Labels >	۲ 							
		3	Refresh 🛜	Clean filter	Add	🖌 Edit	Delete	
Code 🔺	Name					Archive		
	Labels 1							
	Labels 1 Labels 2							
2	Labels 2							

5.3.1. Adding / Editting Labels

To add a new label to the datab	ase,	press	+	Add	button.
To edit a particular label, press	~	Edit	butto	on.	

Label editor (window for adding and editing labels records):

Labels editor				⇔		×
6 Code (*)		Name (*)				
LABEL FOR SCALE						
HY10, WLY, WPY - HY10, PUE7.1	TMX - PUE5	3Y CHECKWEIGHER	WPW - PUEC41			
						-
						-
Load label from lb file	R02	Create / edit label				
Printer 1	er 1 additional	Printer 2		Printer	3	
Assign label for all of the products						
C Weighing label		Cumulative label	Cumulati	ve from cur	nulative l	abel
archive						
			Cancel and close	i s	ave and	dose

Where:

Code	Label code
Name	Label name
Archive	This marker, when ticked, prevents labels from being sent to scales

In **Label for scale** field select appropriate tab depending on the weighing instrument on which the label is to be printed. Next press **Load label** and search for a file with lb extension or press **Create/edit label** to start Labels editor.

For HY10, WLY, WPY weighing instruments you can set the printer on which label is to be printed.

Printer 1	Printer 1 additional	Printer 2	Printer 3
Printer 1	Printer 1 additional	Printer 2	Printer 3

Label can be assigned to all products from a database.



5.3.2. Deleting Label

To delete a particular label from a database press **X** ^{Delete} button. The following message is displayed, press **Yes** button to confirm deletion of a selected label.

X
Are you sure you want remove the label?
Yes No

5.3.3. Labels Finding and Filtering

Each label registered by the system can be found by code or name - an appropriate string of characters, entered in a given column.

	Code 🔺	Name	Archive
۴			

After typing the characters in the selected column, a list of labels with the same string of characters is displayed.

To delete a filter for labels display, press Cean filter button.

CAUTION!

Information displayed in Labels window can be sorted and filtered with use of additional filtering options. For details read section Błąd! Nie można odnaleźć źródła odwołania. and Błąd! Nie można odnaleźć źródła odwołania. of this manual.

5.4. Operators

Operators database allows managing records of program users.

All database-recorded operators can log in to the software and to the scales.

To run **Operators** module, press **Operators** button of the side toolbar.



Operators window:

			-												
				Report	3	Refresh	6	Clean filter	+	Add	\checkmark	Edit	X	De	lete
ig a ci	column header he	re to group by that													
Code	e	First name and	last name				Group						Archive	-	
	1		Ad	ministrator					Adminis	trator					

Operators window allows you to add, delete or modify operator's accounts along with permissions levels attributed.

5.4.1. Adding / Editing Operator

To add a new operator to the datab	ase,	press	+	Add	button.
To edit a particular operator, press	~	Edit	butto	on.	

Operator editor (window for adding and editing operators records):

Ø Operators editor		
STANDARD SETTINGS	CUSTOMIZED SETTINGS TRANSPONDER CARD READER	
Code/Login (*)) First name and last name (*)	
(*) - mandatory fields	s	
	Cancel and exit	Save and exit

Where:

Standard settings tab:

Code / Login * Password *	Operator's code, login Operator's password (for detailed information on
	password-related options read section 4.2)
First Name and Last Name *	Operator's name and surname
Group *	Authorization group specifying permissions levels to particular program options. There are four basic groups: Administrator, Advanced, Standard and Basic. To setup permissions for particular group go to software settings.
Archive	This marker, when ticked, makes the particular operator inactive
(*) – mandatory fields	-

Customized settings tab:

Traceability	Traceability process to which a particular operator is assigned
Product	Product to which a particular operator is assigned
Shift	Shift to which a particular operator is assigned
Language 3Y, R	Language for 3Y, R balance operation, set upon successfully carried out login operation.
MAX deviation [%]	MAX threshold deviation in percent. Enables increasing or decreasing the threshold for

particular operator.

MIN deviation [%] MIN threshold deviation in percent. Enables increasing or decreasing the threshold for particular operator.

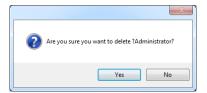
Transponder Card Reader tab:

	Window with transponder card reader settings (refer to section Błąd! Nie można odnaleźć źródła odwołania.)
Card code	Card number assigned to an operator,

When all required operator data has been entered save the settings, to do it press save and exit button.

5.4.2. Deleting Operator

To delete a particular operator from a database press \times peter button. The following message is displayed, press **Yes** button to confirm deletion of a selected operator.



If a database stores weighings carried out by the selected operator, then the operator cannot be erased.



Prior to deleting a particular operator it is necessary to delete all weighings carried out by the operator first.

CAUTION!

It is not possible to generate report on weighings that have been removed.

Alternative option is to use archive marker which when ticked prevents operator from being displayed by scales simultaneously allowing to generate reports on all performed weighings.

5.4.3. Operator Finding and Filtering

Each operator registered by the system can be found by name, number etc., i.e. by an appropriate string of characters entered in a given column.

	Code	First name and last name	Group	Archive	
۴					

After typing the characters in the selected column, a list of operators with the same string of characters is displayed.

To delete a filter for operators display, press Cean filter button.

CAUTION!

Information displayed in Operators window can be sorted and filtered with use of additional filtering options. For details read section Błąd! Nie można odnaleźć źródła odwołania. and Błąd! Nie można odnaleźć źródła odwołania. of this manual.

5.4.4. Reports on Operators

To generate report featuring list of operators go to Operators window and press report button. The report may be printed on a printer, sent via an e-mail or saved to file.



Quick launch bar is available in a preview window of a generated report.

| M | 🗁 🔚 | 🗗 💪 🐚 🖳 🖑 🍳 🔍 100% 🔍 🔍 | M | A | > > > | 💾 🦏 🔯 | 🖕 - 🖂 - | 😂

Basic functions accessible directly via guick launch bar:



quick printout with the use of default printer,

option for saving and reopening of a printout in a dedicated, for this kind of report, file format,



printout export to numerous file formats: PDF, HTML, MHT, RTF, Excel, CSV, Text, Image.

5.5. Universal Variables

Universal Variables database allows managing records of universal variables. To run Universal Variables module, press Universal Variables button of the side toolbar.



Universal Variables window:

	Unive	rsal variable 🗙												
					3	Refresh	7	Clean filter	┢	Add	~	Edit	×	Delete
		header here to group by t	that column Value	Archive										
C	oue -	- Wante	value	A CIVE										
	1	Universal Variables 1												
	2	Universal Variables 2												

5.5.1. Adding / Editing Universal Variables

To add a new universal variable to the datab	ase, j	oress	📥 Add	button.
To edit a particular universal variable, press	~	Edit	button.	

Universal Variable editor (window for adding and editing universal variables records):

👳 Universal variable editor		
Code	Name	
archive		
	Cancel and exit	Save and exit

Where:

Code	Universal variable code
Name	Universal variable name
Value	Universal variable value
Archive	This marker, when ticked, prevents universal variables from being sent to scales

5.5.2. Deleting Universal Variables

To delete a particular universal variable from a database press 🗱 Delete button.

The following message is displayed, press **Yes** button to confirm deletion of a selected universal variable.

	×
Are you sure you want to delete ?Universal Variables 1?	Deleted.
Yes No	ОК

5.5.3. Universal Variables Finding and Filtering

Each universal variable registered by the system can be found by name, number etc., i.e. by an appropriate string of characters entered in a given column.

	Code	٠	Name	Value	Archive
۴					

After typing data on particular universal variable in the selected column, a list of universal variables matching specified criteria is displayed.

To delete a filter for universal variables display, press Cean filter button.

CAUTION!

Information displayed in Universal Variables window can be sorted and filtered with use of additional filtering options. For details read section Błąd! Nie można odnaleźć źródła odwołania. and Błąd! Nie można odnaleźć źródła odwołania. of this manual.

6. FORMULATIONS

FORMULATIONS tab enables access to formulations and orders databases. Prior sending an order to the weighing instrument, determine ingredients of each formulation.

Ingredients must have defined the required mass, thresholds in % and other crucial information.

6.1. Formulations Database

In **FORMULATIONS** window you can manage and report the database. In order to run the window, select Formulations option from the sidebar.

Formulations window

	Formulas 🗙										4	ŀ
			Report	3	Refresh	÷	Add	~	Edit	×	Delete	
Dr	ag a column header he	ere to group by	that column									
	Name			*	Formulation		Creation dat	e				
Þ							4/4/2017					
	E Formula 2					0.100	4/12/2017					

6.1.1. Adding/Editing Formulation

To add new formulation fill in the fields in <Formulation heading> area and press <Save> button to confirm. Next, use <Add> button to add formulation ingredients.

Formulation editor

🚺 Code	8			Name (*)	Formula 1		💖 Result produ	t	*
(*) - mandat	ory fields								
Warehouse									
Source	e Purd	hase	* 👔	Target	Sale				
archive								F	Save
			-						
			- * -	Add	\checkmark	Edit	Delete	×	Close
Product 🔺	Quantity	Unit	Low deviation	High deviation	Phase	Sequence	Scale name	Platform	Source war
Ingredie *	100	g	5	6	5		[EditValue is null]	[EditValue is null]	Purchase
Ingredient 2	200	g	4	4			[EditValue is null]	[EditValue is null]	Purchase
Ingredient 3	1000	g	10	15	5		[EditValue is null]	[EditValue is null]	Purchase

Where:

Code	Formulation code,
Name*	Formulation name,
Result product	The product which inventory is increased after carrying out the formulation,
Source**	Default source warehouse which inventory is decreased by the ingredients,
Target	Target warehouse which inventory is increased by the result product,
archive	The archive formulation is not sent to the weighing instrument.

(*) - mandatory fields required for editing formulation record.
 (**) - when adding new ingredient, a default warehouse is set; the warehouse can be changed.

Ingredient editor:

Ingredient editor	r)
Weight					Deviations			
Product		Ingredient 1		•	Deviation t	wype %		Ŧ
Ruantity	y	100			Section 2 Low deviat	ion 5		
Init		g		Ŧ	High deviat	tion 6		
STANDARD Realization	CUSTOMIZ	ED SETTINGS	VARIABLES		Warehouse			
ABC Phase				÷	Source	Purchase		Ŧ
					×	Cancel and close	Save and	close

Where:

Product*	Formulation ingredient selected from the Products database using name or code,						
Quantity*	Mass expected in the formulation,						
Unit*	Unit automatically loaded from the Products database,						
Deviation type	Deviation of the expected quantity in mass or percent						
Low deviation	Low deviation from the expected quantity						
High deviation	High deviation from the expected quantity						

(*) - mandatory fields required for editing formulation ingredient.

Standard tab:

Phase	Next stage in the formulation process to which many ingredients can be assigned,
Sequence	Number of the next ingredient in the formulation
Source warehouse	Source warehouse which inventory is decreased by the ingredient,

Customized settings tab:

STANDARD CUSTOMIZED	SETTINGS VARIABLE	LES	
Formulations mode setting: Platform HY10 • • • Correction Automatic batching Give mass		Formulation orders mode settings Scale Platform	• •
 Give mass Ingredient control 			

HY10 Terminal* Correction*	Number of platform connected to HY10 terminal on which the ingredient is to be weighed. The first platform is set by default. Dosing correction in product unit
Automatic dosing*	During formulation process, after selecting an ingredient the outputs assigned to the product are activated on the weighing instrument (for detailed description of setting outputs for the product refer to section Błąd! Nie można odnaleźć źródła odwołania.)
Set mass*	Set mass of the formulation ingredient that is delivered as a pre-packaged product of known mass.
Ingredient control*	Enabling control of formulation ingredient. Ingredient control parameter forces entering correct ingredient code before weighing.
Scale**	Ingredient can be weighed using only selected balance or scale.
Platform**	Selected platform is automatically set on the weighing instrument during weighing.

(*) – Settings for Formulations working mode. (**) - Settings for Formulations/Reports working mode.

Variables tab:

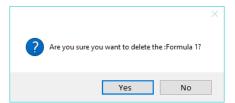
STANDARD	CUSTOMIZED SETTINGS	VARIABLES			
Lot no. / Ba 00285 Lot 1 12080 Bate	number		Var 2	Universal variable 1	

Lot No.*	Lot number
Batch No.*	Batch number
Universal variable 1*	Universal variable 1
Universal variable 2*	Universal variable 2
Universal variable 3*	Universal variable 2

(*) – This applies to PUE 5 terminal.

6.1.2. Deleting Formulation

Press *peter* button to delete formulation from the database. The following message is displayed to confirm formulation deleting.



If in the database there are weighings of currently deleted formulations, then the formulation will not be deleted. The following message is displayed:



6.1.3. Searching and Filtering Formulations

Each formulation entered into the system can be searched by name, mass or date of its creation.

Name	*	Formulation mass [kg]	Creation date

Upon entering the formulation data in the selected column, the list of all formulations that meet the conditions is displayed below.

In order to delete the filter, press formulations window.



6.1.4. Formulations Reports

To generate the report of formulations list, press with the formulations window. The report can be printed on a printer, saved to a file or send by e-mail.



In the window containing generated report preview, a quick access bar is displayed.



The bar contains the following basic functions:



press to activate quick printout on a default printer



press to save and reopen a printout in a format dedicated for such type of reports.



press to export printout to the following document formats: PDF, HTML, MHT, RTF, Excel, CSV, Text, Image.

6.2. Formulations/Reports Database

In **FORMULATIONS/REPORTS** window you can manage the database of orders that are sent to weighing instruments and the reports of carried out formulations.

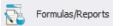
In order to run the window, select Formulations/Reports option from the sidebar.

E2R FORMULATIONS software enables creating formulations and production orders for HY10, PUE 7.1 and TMX weighing instruments.

Additional function of the software is the possibility of cooperation with warehouse management module that enables managing and reporting on products inventory.

In prepared production order you can set: the multiplier for a formulation, mass for sum of all formulation products masses and mass of single product with automatic recalculation of the proportions for the rest of the products.

Prepared order is sent to HY10, PUE 7.1 or TMX weighing instrument and assigned to one or all operators.



Formulations/Reports window:

Time range for orders		Report		Add	🥜 Edit	X Delete	
	1, 2017 8:44:46 PM *	Report				•••	
To: Tuesday, April 25,	2017 8:44:47 PM *						
Refresh		Basic *					
ders without portion 0	rders with portion						
g a column header here to	group by that column						
Order number	Issued date	▲ Name	Expected quantity [kg]	Weighed quantity [kg]	Operator name	Status	
E Formula 1 1009	3/27/2017 10:39:25 AM	Formula 1	1.725	1.172		Abandoned	
E Formula 1 1010	3/27/2017 10:41:14 AM	Formula 1	1.725	1.678		Completed	
E Formula 1 1011	3/27/2017 10:56:14 AM	Formula 1	1.725	1.750		Completed	
E Formula 2 1012	3/27/2017 11:17:17 AM	Formula 2	0.050	0.050		Completed	
E Formula 2 1013	3/27/2017 11:19:02 AM	Formula 2	0.060	0.062		Completed	
E Formula 2 1014	3/27/2017 11:20:41 AM	Formula 2	0.060	0.060		Completed	
E Formula 2 1015	3/27/2017 11:21:36 AM	Formula 2	0.050	0.060		Completed	
E Formula 2 1016	3/27/2017 11:21:59 AM	Formula 2	0.050	0.050		Completed	
E Formula 2 1017	3/27/2017 11:28:28 AM	Formula 2	0.060	0.060		Completed	
E Formula 2 1018	3/27/2017 11:30:47 AM	Formula 2	0.050	0.050		Completed	
E Formula 2 1019	3/27/2017 11:31:13 AM	Formula 2	0.050	0.050		Completed	
E Formula 2 1020	3/27/2017 11:31:42 AM	Formula 2	0.060	0.060		Completed	
E Formula 2 1021	3/27/2017 11:32:10 AM	Formula 2	0.060	0.060		Completed	
E Formula 2 1022	3/27/2017 11:32:32 AM	Formula 2	0.050	0.050		Completed	
E Formula 2 1023	3/27/2017 12:13:13 PM	Formula 2	0.050	0.050		Completed	
E Formula 2 1024	3/27/2017 12:20:58 PM	Formula 2	0.060	0.056		Completed	
E Formula 1 1025	3/28/2017 9:25:58 AM	Formula 1	1.725	1.223		Abandoned	
E Formula 1 1026	3/28/2017 10:57:18 AM	Formula 1	1.725	1.731		Completed	

6.2.1. Adding/Editing Order #frmRecZlecenieSimple#

Formulas/Re	eports										÷ _		×
00285 Order n	o. ZL-9	/2017-04-24		Formu	lation (*) Form	nula 1		Ŧ	Barcode	Z	L-9/2017-04-24	ł	
(*) - mandator	y fields												
Warehouse				Assign orde	er			Ord	er details				
Source	Purc	hase	Ŧ	🔊 Ope	rator		-	I N	Name For	rmula 1			
👔 Target	Sale		Ψ					∀ 4 X=	Status Aw	aiting Imp	lementation		Ŧ
Description													
							*		🔓 Sa	ve	×	Close	
Formulation ma		0		Product		Ŧ	Multiplier Calcula	ate	Current formula n			1.3 kg 1.3 kg	
Product code	Product	Expected quantity	Unit	Gross mass	Net mass	Tare	Sequence	Phase	Source warehouse	Lot n			
1	Ingredient 1	100	g						Purchase				
2	Ingredient 2	200							Purchase				
3	Ingredient 3	1000	g						Purchase				
Date and time	P	oduct 🔺 Mass		Unit	Operator n	soos Scale name							
Date and diffe		ouuce - Mass		onic	operator h	Scare fidilit	. Loc number						

Formulation adding/editing window

Where:

Order No.	Order number set automatically in accordance with the template (order template editing is presented in section Błąd! Nie można odnaleźć źródła odwołania.)
Formulation	Selecting formulation out of the database,
Barcode	Order barcode on a report
Operator	Operator that has access to order execution
Source	Possibility to change source warehouse set in a formulation,
Target	Possibility to change target warehouse set in formulation,
Description	Descriptions are part of the order report.

Procedure:

- Upon pressing
 Add or
 Edit button in orders window, an editing box is displayed for editing formulation order.
- Select formulation from the list, it will be part of the order

ለ	ስ	
Receptura 1 Receptura 2 Receptura 3	Formula 1 Formula 2 Formula 3	
х	×	

• Fill in other crucial order conditions, e.g. operator with access to the order, and press Save button.

6.2.1.1. Change of Order Quantity

In Calculate order parameter in Multiplier field enter the number by which the formulation is multiplied.

In Required formulation mass parameter enter totalised mass of the formulation order that causes automatic calculation of all ingredients masses proportionally to the formulation content.

In Required product mass parameter select the product and enter its mass to be carried out in an order, mass of the rest of the products is calculated proportionally to the formulation.

Calculate order				
Formulation mass required [kg]	Multiplier	10	Current formula mass	1.3 kg
Product mass required [kg] 1.0000 Product Ingredient 1 *		Calculate	Default formula mass	1.3 kg

Caution.

In Calculate order window select only one multiplier value. The last value selected and saved to the order is carried out.

6.2.1.2. Changing Status of the Order

Upon changing the order status to an archive, the order is no longer visible in the weighing terminal. To change status of the order, change its setting to <Awaits further processing>.

6.2.2. Deleting Order

Press K whether button to delete order from the database. The following message is displayed to confirm order deleting.



Upon correct formulation deleting, the following message is displayed.



6.2.3. Searching and Filtering Orders

Each order entered into the system can be search by name appropriate for each column of the order.

	Order number	Issued date 🔺	Name	Expected quantity [kg]	Weighed quantity [kg]	Operator name	Status
9							

Upon entering order data in the selected column, the list of all orders that meet the conditions is displayed below.

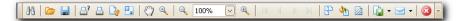
In order to delete the filter, press Clean filter button located in the orders window.

6.2.4. Order Report

To generate a single order report, press window. The report can be printed on a printer, saved to a file or send by e-mail.



In the window containing generated report preview, a quick access bar is displayed.



The bar contains the following basic functions:



press to activate quick printout on a default printer



press to save and reopen a printout in a format dedicated for such type of reports



press to export printout to the following document formats: PDF, HTML, MHT, RTF, Excel, CSV, Text, Image.

7. REPORTS

Reports module enables access to all measurements recorded on scales cooperating in E2R WEIGHING RECORDS system.

7.1. Basic Reports

To run **Basic reports** window, press **Basic reports** button of the side toolbar.



Basic report window:

Time range for weighin	The repor	The report of the current table							Reports dedicated to weighing			
From: Tuesday, September 01, 2015 11:16:574 PM • To: Saturday, September 19, 2015 11:16:57 AM • Refresh Clean filter Del. empty column Craph				R balance 3Y balance PUE 7 / HY						Detailed batch number		
				Table 1								
			—					Table 3	Report			
							Export to XLS	Choosing reports Export to XLS				
	V]				_						
							20000					
rrent weighings												
arene negringo												
ig a column header here	e to group by	that column										
Date and time	Product code	Product name	Net mass	Unit	Product	*	Net product value	Gross product value	Min product	Max product	Net mass [kg]	Net mass [g]
9/2/2015 9:04:41 AM	02	Towar SQC 2	174	9		17			494	505	0.174	
9/2/2015 9:04:49 AM	02	Towar SQC 2	174	9		17			494	505	0.174	
9/2/2015 9:04:53 AM	02	Towar SQC 2	172	g		17			494	505	0.172	
9/2/2015 9:04:54 AM	02	Towar SQC 2	172	g		17			494	505	0.172	
9/2/2015 9:05:09 AM	02	Towar SQC 2	170	g		17			494	505	0.170	
9/2/2015 9:05:10 AM	02	Towar SQC 2	170	9		17			494	505	0.170	
9/2/2015 9:05:15 AM	02	Towar SQC 2	168	9		17			494	505	0.168	
9/2/2015 9:05:16 AM	02	Towar SQC 2	168	9		17			494	505	0.168	
9/2/2015 9:05:20 AM	02	Towar SQC 2	166	9		17			494	505	0.166	
9/2/2015 9:05:21 AM	02	Towar SQC 2	166	9		17			494	505	0.166	
9/2/2015 9:05:46 AM	02	Towar SQC 2	166	g		17			494	505	0.166	
9/2/2015 9:05:47 AM	02	Towar SQC 2	166	g		17			494	505	0.166	
9/2/2015 9:05:53 AM	02	Towar SQC 2	168	g		17			494	505	0.168	
9/2/2015 9:05:53 AM	02	Towar SQC 2	168	9		17			494	505	0.168	
9/2/2015 9:05:57 AM	02	Towar SQC 2	170	9		17			494	505	0.170	
9/2/2015 9:06:00 AM	02	Towar SQC 2	170	9		17			494	505	0.170	
9/2/2015 9:06:05 AM	02	Towar SQC 2	172	9		17			494	505	0.172	
9/2/2015 9:06:05 AM	02	Towar SQC 2	172	9		17			494	505	0.172	
9/2/2015 9:06:10 AM	02	Towar SQC 2	174	9		17			494	505	0.174	
9/2/2015 9:06:11 AM	02	Towar SQC 2	174	g		17			494	505	0.174	
	00	Towar SQC 2	170			17			494	505	0.170	
9/2/2015 9:06:27 AM	02	Towar age 2	1/0									

Standard reports window provides records of all measurements stored by SQL database. The measurements can be selected for display either in a form of basic reports (table report) or detailed reports (Weighing operation reports).

7.1.1. Current Table Reports

Standard reports window enables preview of weighing records in six different configurable tables. To swap between the tables press one of the below presented buttons.

R balance	3Y balance	PUE 7 / HY
Table 1	Table 2	Table 3

R, 3Y, PUE 7 / HY tables feature weighing records for one specified balance or scale. Table 1, Table 2, Table 3 tables feature all weighing records.

Each table of weighing records can be sorted, it is possible to sort the records by measurement date or by product name, etc. Sorting conditions are grouped depending on order of addition. Section enabling operator to set time interval for the report is to be found at the top. When all the conditions for grouping have been specified, press Report button. the report is generated to PDF file. It can be either saved or printed by means of local printer connected to computer with E2R software installed. To Export to XLS button.

generate .xls file, operated by Excel, press

Settings To open settings for table of weighing records press button:

elect fields					
Choosing columns					
🖌 Date and time	A				
Product code	•	Select all	\checkmark	Deselect all	
Product name					
Operator code	†	Move up	L	Move down	
Operator name					
Client code					
Client name	1	2	Default settings		
Net mass	100	<i>W</i>	Default settings		
Unit					
Quantity [pcs]		Jser weighing table			
Lot number		ser weigning table			
Batch number	L L	Name the button: PUE 7 / HY			
Source warehouse					
Target warehouse					
Universal variable 1	— F	Report any			
Universal variable 2					
Universal variable 3	L	eft logo:	Right logo:		
Extra variable 1					
Extra variable 2		MΔTΔ 🚓	_ ()		
Extra variable 3			R/A		
Extra variable 4		E2R			
Extra variable 5					
Product price					
Net product value					
Vat product		Remove the left logo	Rer	nove the right logo	
Gross product value	F	Report title:			
Tare		Report Table 1			
Tare [g]					
Min product					-
Max product		leadline chart:			
Net mass [kg]		Graph			
Net mass [g]					
Weighing OK					
Scale name	-				4
Platform number					
Number of weighing		Cancel and exit	i de la companya de l	Save and exit	
Weighing counter	-				

To restore default column arrangement press **Default settings** button.

7.1.2. Weighing Operation Reports

There are two reports types designed for weighing operation, detailed reports and cumulative reports grouping data on weighing, customer, parts

counting, warehouses, operators, batches, lots, product, balance/scale, universal variable.

		Add report
Reports hidden:		Report visible:
	Hide all	Detailed batch number Detailed checkweighing Detailed client
	Hide selected	Detailed LOT Detailed operator
	Show all	Detailed parts counting Detailed product Detailed scale
	Show selected	Detailed source warehouse Detailed target warehouse
		Detailed universal variable 1 Detailed universal variable 2 Detailed universal variable 3
		Summary batch number Summary checkweighing
		Summary client Summary LOT Summary operator
		Summary parts counting Summary product
		Summary scale Summary source warehouse
		Summary target warehouse Summary universal variable 1
		Summary universal variable 2 Summary universal variable 3

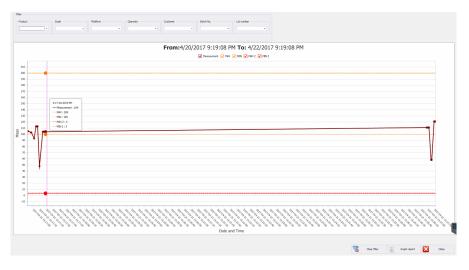
To view list of reports, either visible or hidden, press

button:

The window provides you with option of hiding the reports that are not used. To add a new report, press Add report button and find respective file.

7.1.3. Graph #FrmmagsWazeniaSimpleChart#

Press eraph button to open window with a graph.



The graph contains weighings carried out within selected time interval. The top part of the window contains the following filters: product, scale, platform, operator, customer, batch no. and lot no. To delete all filters,

press	7	Clean filter	butt	on.
Press	1	Graph rep	port	button to generate graph report.

7.2. Advanced Reports

To run **Advanced reports** window, press **Advanced reports** button of the side toolbar.



Advanced report window:

tandard Large number of	fweighings											
Time range for weighing				Choosing	reports 🎠	Chart table	\mathbb{R}^{n}	Any cha	rt 🚦	Report	Close	
From: Tuesday, September	01, 2015 12:2	5:33 AM 👻								_		
To: Saturday, Septemb	er 19, 2015 12:2	15:34 PM *										
Nefresh	7	Clean filter										
leport for products	Report for o	perator	Report for	dients	Report for batch	Actnumber		Report for scale		Archive weighings	Batch control	
report for products	Report for o	perator	Report for	Cicito	Report for batch	nochamber	-	Report for acdic		Archive weighings	batch cone of	
ag a column header here to	group by that co	lumn										
Date and time	Product code	Product name		Operator code	Operator name	Net mass	Unit	Tare	Weighing O	Scale name	Platform number 🔺	
9/11/2015 1:23:29 PM	1	Product 1				0.174	kg	0	\checkmark	PUES	1	
9/11/2015 1:23:36 PM	1	Product 1				0.184	kg	0		PUES	1	
9/11/2015 1:23:39 PM	1	Product 1				0.183	kg	0		PUES	1	
9/11/2015 1:23:50 PM	1	Product 1				0.173	kg	0	\checkmark	PUES	1	
9/11/2015 1:23:51 PM	1	Product 1				0.173	kg	0	\checkmark	PUES	1	
9/11/2015 1:23:52 PM	1	Product 1				0.173	kg	0	\checkmark	PUES	1	
9/11/2015 1:23:53 PM	1	Product 1				0.173	kg	0	\checkmark	PUES	1	
9/11/2015 1:23:56 PM	1	Product 1				0.173	kg	0	\checkmark	PUES	1	
9/11/2015 1:24:05 PM	1	Product 1				0.164	kg	0	\checkmark	PUES	1	
9/11/2015 1:24:05 PM	1	Product 1				0.164	kg	0	\checkmark	PUES	1	
9/11/2015 1:24:06 PM	1	Product 1				0.164	kg	0	\checkmark	PUES	1	
9/14/2015 10:18:08 AM	3	Product 3				299	g	0.02		PUE5	1	
9/14/2015 10:18:12 AM	3	Product 3				299	g	0.02		PUES	1	
9/14/2015 11:41:05 AM	1	Product 1				0.305	kg	0.02		PUES	1	
9/17/2015 2:54:50 PM	2	Product 2		1	Administrator	159	g	0	\checkmark	PUES	1	
9/17/2015 2:54:54 PM	2	Product 2		1	Administrator	158	g	0	\checkmark	PUES	1	
9/17/2015 2:54:55 PM	2	Product 2		1	Administrator	158		0	\checkmark	PUES	1	
9/17/2015 2:54:56 PM	2	Product 2		1	Administrator	158	g	0	\checkmark	PUES	1	
9/17/2015 2:55:00 PM	2	Product 2		1	Administrator	158	g	0	\checkmark	PUES	1	
9/17/2015 2:55:00 PM	2	Product 2		1	Administrator	158	g	0	\checkmark	PUES	1	
9/17/2015 2:55:01 PM	2	Product 2		1	Administrator	158		0	\checkmark	PUE5	1	
9/17/2015 2:55:02 PM	2	Product 2		1	Administrator	158		0	\checkmark	PUES	1	
9/17/2015 2:55:03 PM	2	Product 2		1	Administrator	158		0	\checkmark	PUES	1	
9/17/2015 2:55:04 PM	2	Product 2		1	Administrator	158	q	0	\checkmark	PUES	1	

Advanced report window provides you with option of displaying particular set of columns for each report. To do it use "Column Chooser" tool.

tandard Przegladaj Dub	Bości Waten											Dostosowanie
Przedział czasowy dla waż			-							-		Cena
			Wybór raporti	ku 🎠	Wykres z tabeli	24	Wykres do	uoiny 😱	Raport	Zamknij		Data produkci
Od: 1 sierpnia 2015 20:53	1:16	*										Data przydatności
Do: 26 sierpnia 2015 08:5	53: 16											Grubość mieśnia
Odśwież	-	Czyść filtr										
												Grubość tłuszczu
												ID
anort da Invaru		da operatora	Report dia kontrahent		Raport da serii			Raport dia wao		Archine an water		ID transakcji
aport dia towaru	Kaport	dia operatora	Raport dia kontranenti	3	Raport dia serii)	parte		Kaport dia wag	1	Archwom waten		ID zlecenia
zeciągnij tutaj nagłówek kol	umny, jeśli ma o	ona być podstawą grupowani	a									Ilość (szt)
Data i czas	Ked toweru	Names Income	End onerstore Ne	nya operatora	Masa netto	3. m.	Tara	Waterie OK	Nazwa wagi	Numer platformy +		Klasa Mieśności
		👷 Sortuj rosnąco									*	Klasvfikator uboju
2015-08-07 13:42:49	01	🕺 Sortuj malejąco			515,9	g	0,01	V		1		Kod kontrabenta
2015-08-07 13:42:49	01	Usuń wszystkie sort	owania		\$15,9	9	0,01	2		1		
2015-08-07 13:42:49	01	😤 Grupuj według tej l	olumny		515,9	g	0,01	1	Pue 7	1		Kontrahent nazwa długa
2015-08-07 13:42:49	01	🔚 Ukryj pole grupowi			515,9	9	0,01	1	Pue 7	1		Liczba zaworów
2015-08-07 13:42:50	01	Usuń te kolumne			515,9	9	0,01			1		Licznik ważeń
2015-08-07 13:42:50	01				\$15,9		0,01			1		Linia
2015-08-07 13:42:50	01	Wybór kolumn			515,9		0,01		Pue 7	1		Magazyn docelowy
2015-08-07 13:42:50	01	Autodopasowanie			515,9		0,01		Pue 7	1		Magazyn źródłowy
2015-08-07 13:42:51	01	Autodopasowanie	wszystkie kolumny)	L	515,9	-	0,01			1		
2015-08-07 13:42:51	01	👕 Kreator filtra			515,9		0,01		Pue 7	1		Masa brutto
2015-08-07 13:42:52	01	Pokaž panel wyszul	iwania	L	515,9		0,01			1		Masa brutto SI
2015-08-07 13:42:52	01	Ukryj wiersz autom	stycznego filtra		515,9		0,01			1		Masa do zadozowania
2015-08-07 13:42:52 2015-08-07 13:42:52	01	Przywróć domyślne			515,9		0,01		Pue 7 Pue 7	1		Masa elem.
2015-08-07 13:42:52 2015-08-07 13:42:53	01	Ukryj nieużywane k			515,9		0,01		Pue 7	1		Masa netto [g]
2015-08-07 13:42:53	01	Pokaz panel serwise			515,9		0,01			1		Masa netto [kg]
2015-08-07 13:42:53	01		my		515,9		0,01		Pue 7	1		
2015-08-07 13:42:53	01	Wybór kolumn			515,9		0.01		Pue 7	1		Masa SI
2015-08-07 13:42:54	01	Show Group Summ	ary Editor		515,9		0.01			1	- 11	Masa Zmierzona Netto [kg]
2015-08-07 13:42:54	01	Towar KTP 1			515,9		0,01	~	Pue 7	1		Max
2015-08-07 13:42:55	01	Towar KTP 1			515,9		0,01	¥		1		Mięśność %
2015-08-07 13:42:55	01	Towar KTP 1			515,8	9	0,01	1		1		Min
2015-08-07 13:42:55	01	Towar KTP 1			515,9	9	0,01	2	Pue 7	1		Nazwa kontrahenta
2015-08-07 13:42:55	01	Towar KTP 1			515,8	9	0,01	1	Pue 7	1	-	Numer Ubojowy
												Numer Coojowy

76

To run the **Column Chooser** tool, place mouse cursor over particular column name and click right mouse button.

Customization window is displayed. The window features list of columns, each of these can be added/removed to/from the workpane. To add or remove a particular column you need to drag and drop it.

CAUTION!

In order to make introduced modifications valid, it is necessary to press and hold Ctrl button while closing the window.

7.2.1. Report on Product

Report on product tab allows to arrange acquired measurements by measured product name. Each report can be sorted by few columns, e.g.: by measurement date column and by product name column. Sorting conditions are grouped depending on order of addition. Section enabling operator to set time interval for the report is to be found at the top. When all

the conditions for grouping have been specified, press button, the report is generated to PDF file. It can be either saved or printed by means of local printer connected to computer with **E2R WEIGHING RECORDS** software installed.

Time range for weighing			Choosing	reports 🄀	Chart table	R	🖉 🛛 Any chi	art	Report	Close
From: Thursday, Septe										
To: Saturday, Septer	mber 19, 2015 12:3	25:34 PM 🔻								
Refresh	3	Clean filter								
eport for products	Report for o	operator	Report for dients	Report for batch	/lot number		Report for scale		Archive weighings	Batch control
ag a column header here	to aroun by that a	ah maa								
Date and time	Product code	Product name	Operator code	Operator name	Net mass	Link	t Tare	Weighing O	K Scale name	Platform number 🔺
Dute and ane	Troduct couc	Troductrianc	operator code	operator name	The e mass	0111			ic Score manie	nation namber =
9/17/2015 2:54:50 PM	2	Product 2	1	Administrator	159	a	0		PUES	1
9/17/2015 2:54:54 PM		Product 2	1	Administrator	158	-	0		PUES	1
9/17/2015 2:54:55 PM		Product 2	1	Administrator	158	a	0	✓	PUES	1
9/17/2015 2:54:56 PM		Product 2	1	Administrator	158	9	0		PUES	1
9/17/2015 2:55:00 PM		Product 2	1	Administrator	158	9	0		PUES	1
9/17/2015 2:55:00 PM	2	Product 2	1	Administrator	158	g	0	✓	PUES	1
9/17/2015 2:55:01 PM	2	Product 2	1	Administrator	158	g	0	✓	PUES	1
9/17/2015 2:55:02 PM	2	Product 2	1	Administrator	158	g	0	✓	PUES	1
9/17/2015 2:55:03 PM	2	Product 2	1	Administrator	158	g	0		PUES	1
9/17/2015 2:55:04 PM	2	Product 2	1	Administrator	158	g	0	✓	PUES	1

Window intended for generated report preview features quick launch bar.

2								Preview									ş x
Open San	NVE Pr	rint Quid		Parameters	Header/Footer	Scale	Margins *	Ecolomerics		 Previous Page Next Page Last Page 	* 0 %	Many Pages	Com Out	nage Color +	@ • @ •	Close	
Document	t.		Print		3	Page Setu	0 4		-			Zoo		Page Background	Ex	Close	

List of standard functions accessible via quick launch bar:



Printing

Option of saving and reopening of a printout in a format dedicated to a given report type

Option of export of a particular printout to file: PDF, HTML, MHT, RTF, Excel, CSV, Text, Image.

Report example - weighing records

9)/17/	2015 12:		rt for p AM 9				2:25:3	4 PM	
Date and time	Product	Product name	Operator	Operator	Net mass	Uni	Tare	Weighing	Scale	Platform
9/17/2015 2:54	2	Product 2	1	Administrat	159	g	0	~	PUE5	1
9/17/2015 2:54	2	Product 2	1	Administrat	158	g	0	~	PUE5	1
9/17/2015 2:54	2	Product 2	1	Administrat	158	g	0	~	PUE5	1
9/17/2015 2:54	2	Product 2	1	Administrat	158	g	0	~	PUE5	1
9/17/2015 2:55	2	Product 2	1	Administrat	158	g	0	~	PUE5	1
9/17/2015 2:55	2	Product 2	1	Administrat	158	g	0	~	PUE5	1
9/17/2015 2:55	2	Product 2	1	Administrat	158	g	0	~	PUE5	1
9/17/2015 2:55	2	Product 2	1	Administrat	158	g	0	~	PUE5	1
9/17/2015 2:55	2	Product 2	1	Administrat	158	g	0	~	PUE5	1
9/17/2015 2:55	2	Product 2	1	Administrat	158	g	0	~	PUE5	1
10			1	1	JMA=1581		SUM=0			

7.2.2. Report on Operator

Report on Operator tab allows to arrange acquired measurements by operator. Each report can be sorted by few columns, e.g.: by measurement date column and by operator column.

	range for weighing -			[]							_		
					Choosing re	eports 🎠	Chart table	2	🎸 Any	chart	Report	×	Close
To:	: Thursday, Septemb												
	Saturday, Septemb	er 19, 2015 12:25	5:34 PM 🔻										
2	Refresh	7 o	lean filter										
Report	for products	Report for op	erator	Report for dient	s	Report for bate	h/lot number		Report for so	ale	Archive weighings	Batch	ontrol
ag a co	olumn header here to	group by that col	umn										
Date	and time 💌	Operator code	Operator name	Product c	Product nan	ne	Net mass	Unit	Tare	Weighing OK	Scale name	Platform nu	
9/1	L7/2015 2:55:04 PM	1	Administrator	2	Product 2		158	9	0	~	PUES	1	
9/1	17/2015 2:55:03 PM	1	Administrator	2	Product 2		158	9	0	✓	PUES	1	
9/1	17/2015 2:55:02 PM	1	Administrator	2	Product 2		158	g	0	✓	PUE5	1	
9/1	17/2015 2:55:01 PM	1	Administrator	2	Product 2		158	9	0	\checkmark	PUE5	1	
9/1	17/2015 2:55:00 PM	1	Administrator	2	Product 2		158	9	0		PUE5	1	
9/1	17/2015 2:55:00 PM	1	Administrator	2	Product 2		158	9	0		PUE5	1	
	17/2015 2:54:56 PM	1	Administrator	2	Product 2		158	-	0		PUE5	1	
	17/2015 2:54:55 PM	1	Administrator	2	Product 2		158	-	0		PUES	1	
	L7/2015 2:54:54 PM	1	Administrator	2	Product 2		158		0		PUE5	1	
9/1	17/2015 2:54:50 PM	1	Administrator	2	Product 2		159	9	0	\checkmark	PUES	1	

When all the conditions for grouping have been specified, press Report button, the report is generated to PDF file. It can be either saved or printed by means of local printer connected to computer with **E2R WEIGHING RECORDS** software installed.

7.2.3. Report on Customer

Report on Customer tab allows to arrange acquired measurements by customer assigned to a particular measurement. Each report can be sorted by few columns, e.g.: by measurement date column and by customer column.

	Time range for weighing –			Choosing re	eports 📈 C	hart table	Any chart	D	Rep	ort	X	Close
E	From: Friday, September	18, 2015 12:25:	33 AM 👻	L 19 0.000.0			· · · · · · · · · · · · · · · · · · ·	EV.				
	To: Saturday, September											
	Refresh	-	Clean filter									
												
	port for products	Report for o	perator R	teport for dients	Report for batch/lot	number	Report for scale	Arch	nive weighi	ings	Batch	n control
	g a column header here to	group by that co	lumn									
ļ	Date and time 🛛 👻	Client code	Client name	Client long name	Product c	Product name	Net mass	Unit	Tare	Weighin	ng OK	Scale name
	9/18/2015 1:23:40 PM	1	Client 1		3	Product 3		53 g		_		PUES
			Client 1		3	Product 3		53 g		_		PUES
	9/18/2015 1:23:36 PM	1	Client 1		3	Product 3 Product 3		53 g 53 g			_	PUES
	9/18/2015 1:23:37 PM 9/18/2015 1:23:36 PM 9/18/2015 1:23:34 PM	1			3	Product 3 Product 3		53 g				
	9/18/2015 1:23:36 PM	1	Client 1								_	
	9/18/2015 1:23:36 PM	1	Client 1								_	
	9/18/2015 1:23:36 PM	1	Client 1								_	PUES
	9/18/2015 1:23:36 PM	1	Client 1								_	
	9/18/2015 1:23:36 PM	1	Client 1								_	
	9/18/2015 1:23:36 PM	1	Client 1								_	
	9/18/2015 1:23:36 PM	1	Client 1								_	

When all the conditions for grouping have been specified, press button, the report is generated to PDF file. It can be either saved or printed by means of local printer connected to computer with **E2R WEIGHING RECORDS** software installed.

7.2.4. Report on Batch/Lot

Report on Batch/Lot tab allows to arrange acquired measurements by lot number. Each report can be sorted by few columns, e.g.: by measurement date column and lot number or batch number column.

rom: Finday, September 19, 2015 12:25:33 AM a: Saturday, September 19, 2015 12:25:34 AM a: Refresh a: Clouding reports Clouding reports		andard Large number of	fweighings									
rome: Finday, September 19, 2015 12:25:33 MM ** s Saturday, September 19, 2015 12:25:34 PM ** a colum header here to group by that column ate and time * Lot num		Time range for weighing —				Choosing	reports 🔀	Chart table	Any chart	Report	Close	
Refresh Clean filter ort for products Report for operator Report for clents Report for clents Report for cale Ardive weighings Batch control a column header here to group by that column Report for cale Ardive weighings Batch control ate and time Lat rum Batch nu Product c Product 3 1 Administrator Universal variable 2 Universal variable 3 9/18/2015 1:23:40 PMI 123466 654321 3 Product 3 1 Administrator Image: Cale of the cale of		From: Friday, September	18, 2015 12:	:25:33 AM	-							
Refresh Clean filter ort for products Report for operator Report for clents Report for clents Report for scale Ardive weighings Batch control a column header here to group by that column Report for clents Report for batch/lot number Report for scale Ardive weighings Batch control ate and time Lat num Batch nu Product c Product 3 0 perator code Operator name Universal variable 1 Universal variable 2 Universal variable 3 y1/8/2015 1:23:40 PMI 12946 654321 3 Product 3 1 Administrator Image: Clean Filter Image: Clean Filter<		To: Saturday, Septemb	er 19, 2015	12:25:34 PM	Ŧ							
ortfor products Report for openator Report for dents Report for babtlytot number Report for soale Ardive weighings Babth control a column header here to group by that column a column header here to group by that column Image: Column header here to group by that column Image: Column header here to group by that column Image: Column header here to group by that column Image: Column header here to group by that column Image: Column header here to group by that column Image: Column header here to group by that column Image: Column header here to group by that column Image: Column header here to group by that column Image: Column header here to group by that column Image: Column header here to group by that column Image: Column header here to group by that column Image: Column header here to group by that column Image: Column header here to group by that column here to group by that co		-	3									
ortfor products Report for openator Report for dents Report for babtlytot number Report for soale Ardive weighings Babth control a column header here to group by that column a column header here to group by that column Image: Column header here to group by that column Image: Column header here to group by that column Image: Column header here to group by that column Image: Column header here to group by that column Image: Column header here to group by that column Image: Column header here to group by that column Image: Column header here to group by that column Image: Column header here to group by that column Image: Column header here to group by that column Image: Column header here to group by that column Image: Column header here to group by that column Image: Column header here to group by that column Image: Column header here to group by that column here to group by that co												
a column header here to group by that column sate and time v Lot num Batch nu Product c Product name Operator code Operator name Universal variable 1 Universal variable 2 Universal variable 3 //8//2015 1:23:40 PM 12946 65421 3 Product 3 1 Administrator 9/18//2015 1:23:36 PM 12946 654321 3 Product 3 1 Administrator		wart for products	Report	for operator	P	enort for clients		trumbar	Report for scale	Archive weighings	Batch control	
alet and time Lot num Batch nu Product c Product name Operator code Operator name Universal variable 1 Universal variable 2 Universal variable 3 9/18/2015 1:23-06 PM 123466 65421 3 Product 3 1 Administrator					N	eport for cients	Report for batchild	chumber	Report for acale	Arctive neightings	batch control	
M1/2015 1:23:40 PM 123456 654321 3 Product 3 1 Administrator 9/18/2015 1:23:40 PM 123456 654321 3 Product 3 1 Administrator 9/18/2015 1:23:40 PM 123456 654321 3 Product 3 1 Administrator	ð	ag a column header here to	group by the	at column								
9/18/2015 1::23:37 PM 123456 65421 3 Product 3 1 Administrator 9/18/2015 1::23:36 PM 123456 654321 3 Product 3 1 Administrator		Date and time 🔹 👻	Lot num	Batch nu	Product c	Product name	Operator code	Operator name	Universal variable 1	Universal variable 2	Universal variable 3	
9/18/2015 1:23:37 PM 123456 65421 3 Product 3 1 Administrator 9/18/2015 1:23:36 PM 123456 654321 3 Product 3 1 Administrator												
9/18/2015 1:23:36 PM 123456 654321 3 Product 3 1 Administrator												
9/18/2015 1:22:334 PM 123456 654321 3 Product 3 1 Administrator												

When all the conditions for grouping have been specified, press button, the report is generated to PDF file. It can be either saved or printed by means of local printer connected to computer with **E2R WEIGHING RECORDS** software installed.

7.2.5. Report on Scale/Balance

Report on Scale tab allows to arrange acquired measurements by scale. Each report can be sorted by few columns, e.g.: by measurement date column and by scale name column.

	ber of weighing	5										
Time range for weighi	ing			Choosing rep	orts 🎠	Chart table	No Any ch	iart 🕠	Re	port	X	Close
From: Friday, Septer	mber 18, 2015 1	L2:25:33 AM	-								_	
o: Saturday, Sep	tember 19, 201	5 12:25:34 PM	*									
💈 Refrest	, 🏅	Clean filter										
port for products	Repor	t for operator	Report for dier	nts	Report for batch/	lot number	Report for scale	e Ar	chive weigh	nings	Ba	tch control
g a column header he	re to group by t	that column										
Date and time	Scale name	Platform name	Platform number	Product code	Nazwa towaru	Operator code	Operator name	Net mass	Unit	Tare	Waże	nie OK
9/18/2015 1:23:34	PUE5		1	3	Product 3	1	Administrator	163	g		0	
9/18/2015 1:23:36	PUES		1	3	Product 3	1	Administrator	163	g		0	
				3	Product 3	1	Administrator	163	a		0	
			1	2								
9/18/2015 1:23:37	PUES		1	3	Product 3	1	Administrator	163			0	
9/18/2015 1:23:37 9/18/2015 1:23:40	PUES						Administrator				_	
9/18/2015 1:23:37	PUE5						Administrator				_	
9/18/2015 1:23:37	PUE5						Administrator				_	
9/18/2015 1:23:37	PUE5						Administrator				_	
9/18/2015 1:23:37	PUE5						Administrator				_	
/18/2015 1:23:37	PUE5						Administrator				_	
/18/2015 1:23:37	PUE5						Administrator				_	
/18/2015 1:23:37	PUE5						Administrator				_	
9/18/2015 1:23:37	PUE5						Administrator				_	

Advanced filtering carried out by means of **Filter Editor** can be used as a supplementary sorting tool for each report (for detailed Filter Editor overview read section 3.1.2).

When all the conditions for grouping have been specified, press were button, the report is generated to PDF file. It can be either saved or printed by means of local printer connected to computer with **E2R WEIGHING RECORDS** software installed.

7.2.6. Report on Formulation

Report on formulation tab enables organizing obtained weighings in accordance with the Formulation for which the measurements were carried

out. Each report can be sorted in few columns, e.g. by the date of weighing and formulation name for which the weighings were carried out.

Time range for weighing -			n 🛛	Choosing	reports 🔭	Chart table	20	Any chart		Report	Close
From: Tuesday, April 25, 3	017 7:46:26 PM	٣		~							_
To: Thursday, April 27,	2017 7:46:26 PM										
Refresh	🤝 a.	ar filter									
Series Refresh	10 00	ar niter									
			1		20246						
eport for products	Report for ope	rator	Report for customers	Reg	port for batch/lot numb	er I	Report fo	r scale	Report for f	ormula	Archive weighings
Formula name 🔺											
Date and time	Formula name	Productic	Braduct name	Operator co	de Operator name	Net mass	1.00	it Weighing OK	Tare	Scale name	Platform number
Date and time +	Formula name i A	Product c	Product name	Operator co	oe Operator name	rvec mass	UP	it wegning ok	lare	scale name	Placform humber
A Formula name: For	and a d										
 4/26/2017 7:39:01 PM 		13	Ingredient 3	1	Hubert		302 a			0 PUES Huberth	c s
 4/26/2017 7:39:01 PM 4/26/2017 7:38:55 PM 		13	Ingredient 2	1	Hubert		201 g			0 PUES_Huberts	
 4/26/2017 7:38:55 PM 4/26/2017 7:38:50 PM 		12	Ingredient 2	1	Hubert		201 g			0 PUES_Hubert	
 4/26/2017 7:38:50 PM 4/26/2017 7:38:41 PM 		11	Ingredient 1	1	Hubert		1 kg			0 PUES_Hubert	
 4/26/2017 7:33:42 PM 4/26/2017 7:33:42 PM 		13	Ingredient 3	1	Hubert		300 a			0 PUES Hubert	
 4/26/2017 7:33:31 PM 		12	Ingredient 2	1	Hubert		200 g	-		0 PUES Hubert	
 4/26/2017 7:33:16 PM 4/26/2017 7:33:16 PM 		11	Ingredient 1	1	Hubert		1.225 kg			0 PUES_Hubert	
	Politica a		angreaterit a		Photoe s					o Pozajnovero	- a
7						SUMA=100	05				
Formula name: Form	nula 2										
· 4/26/2017 7:39:38 PM	Formula 2	13	Ingredient 3	1	Hubert		15 g			0 PUES_Huberts	C 18
4/26/2017 7:39:33 PM	Formula 2	13	Ingredient 3	1	Hubert		20 g			0 PUES_Hubert	PC 18
4/26/2017 7:39:28 PM	Formula 2	12	Ingredient 2	1	Hubert		8 g			0 PUES_Hubert#	PC 18
4/26/2017 7:39:23 PM	Formula 2	12	Ingredient 2	1	Hubert		7 g			0 PUES_HubertF	PC 18
H/26/2017 7:39:14 PM		11	Ingredient 1	1	Hubert		0.01 kg			0 PUES_Hubert	
H 4/26/2017 7:38:28 PM		13	Ingredient 3	1	Hubert		34 g			0 PUES_Hubert#	
4/26/2017 7:38:21 PM		12	Ingredient 2	1	Hubert		15 g			0 PUES_HubertF	
	Formula 2	11	Ingredient 1	1	Hubert		0.01 kg			0 PUES_Hubert	C 18
4/26/2017 7:37:27 PM											

The grouping of sorting conditions depends on the order of adding. Time interval including the report is to be set in the upper part of the window.

Additionally, it is possible to use previously described advanced filtering in each of the report window using **filter editor**

(its operation is described in section 3.1.2 of this user manual).

Once you have determined all the desired grouping conditions and pressed button, a report is generated as PDF file. It can be saved or printed out on a local printer connected to the computer with **E2R** software.

7.2.7. Weighing Records Archives

Weighing Records Archives tab allows to archive selected measurements.

Functions:

- Move selected records to archives
- Restore selected archival records

• Delete selected archival records

There are two options for archiving weighing records. It is possible to move either single weighing record or group of weighing records. To perform the operation press "**Move selected records to archives**" button.

There are three methods for archiving group of weighing records:

- By data filtering, enabling to select group of particular measurements (for detailed overview of Filter Editor read section 3.1.2),
- By using SHIFT key, enabling to select limited group of weighing records select first weighing record, press SHIFT key and while holding it select the last weighing record,
- By using "Ctrl + A" keys combination, enabling to select all weighing records.

Move the selected to archive Restore selected from the archive Delete selected archival weighing Itaj przeciąpnji nagłówek kolumny aby pogrupować po tej kolumnie	Aurday, September 19, 2015 12:25:34 PM Refresh Report for operator Report for operator Report for operator Report for dents Report for batch/lot number Report for scale Archive weighing Batch control Delete selected archival weighing Unit Scale name Operator name Net mass Unit Scale name Archive Arc		Time range for weighing		Choo	sing reports	76	Chart table	No Any	chart		Report	×	Close
Report for products Report for clems Report for clems Report for batch/lot number Report for scale Archive weighings Batch contents and the selected or archive Report for clems Report for batch/lot number Report for scale Archive weighings Batch contents and the selected archive archive Report for scale archive Report f	Note: The second for dents Note: The second for dents Note: The second for dents Report for scale Ardive weighings Batch control Note: the selected for the ardive Delete selected ardival weighing Batch control Note: the selected for the ardive Delete selected ardival weighing Batch control Note: the selected for the ardive Delete selected ardival weighing Sector		From: Friday, September	18, 2015 12:25:33 AM										
	Size Report for operator Report for dents Report for batch/lot number Report for scale Ardive weighings Batch control Move the selected to archive Resort for dents Delete selected archival weighing Batch control grig naglivesk kolumy aby pogupowsć po tej kolumie Image Delete selected archival weighing Image 1tme Product name Operator name Net mass Unit Scale name Archive 151 12:33:7MP Product 3 Administrator 163.0 PUES Image 151 12:33:7MP Product 3 Administrator 163.0 PUES Image 151 12:33:7MP Product 3 Administrator 163.0 PUES Image		To: Saturday, Septemb	ver 19, 2015 12:25:34 PM										
Report for products Report for colents Report for batch/lot number Report for scale Ardwe weighings Batch control Move the selected to ardwe Restore selected from the ardwe Delete selected ardwai weighings Batch control Delete selected ardwai weighings Batch control Util przeciągniji najśliwek kolumny aby popusować po tej kolumnie Derestor name Nem as Unit Scale name Ardwe Precision Precisi	Report for operator Report for idents Report for batch/lot number Report for scale Archive weighings Batch control Move the selected to archive Restore selected from the archive Delete selected archival weighings Saleh control grin aglówek kolumny aby pogupowsić po tej kolumnie Archive 11 12:33/HM Poduct 3 Administrator 153.0 PUES III III		Refresh	Clean filter										
utalj przeciągnij nagłówek kolumny aby pogrupować po tej kolumnie Date and time A Product name Operator name Net mass Unit Scale name Archive 9/18/2015 1:23:34 PM Product 3 Administrator 153.0 g PUES III 9/18/2015 1:23:37 PM Product 3 Administrator 153.0 g PUES III	agrij naglóvek kolumry aby pogrupovsé po tej kolumnie I time	2	eport for products	Report for operator	Report for dients	Report f		ot number	Report for so	ale	Archive v	veighings	Batch	control
utalj przeciągnij nagłówek kolumny aby pogrupować po tej kolumnie Date and time A Product name Operator name Net mass Unit Scale name Archive 9/18/2015 1:23:34 PM Product 3 Administrator 153.0 g PUES III 9/18/2015 1:23:37 PM Product 3 Administrator 153.0 g PUES III	agrij naglóvek kolumry aby pogrupovsé po tej kolumnie I time													
taj przeckagni nagłówek kolumny aby pogrupować po tej kolumne Date and time Product name Operator name Net mass Unit Scale name Ardivie 9/18/2015 1:23:34 PM Product 3 Administrator 163.0 g PUES III 9/18/2015 1:23:37 PM Product 3 Administrator 163.0 g PUES III	graj naglóvek kolumny aby pogrupovacý po tej kolumnie Operator name Net mass Unit Scale name Archive 1 time Product name Operator name Net mass Linit Scale name Archive 0 15 1/23:36 PM Product 3 Administrator 163.0 g PUES Ime 0 15 1/23:36 PM Product 3 Administrator 163.0 g PUES Ime		Move the selec	ted to archive	Restore selected	from the archive		Del	lete selected ard	ival weighing				
P Product 3 Administrator 163.0 g PUES III 9/18/2015 1:23:37 PM Product 3 Administrator 163.0 g PUES III 9/18/2015 1:23:37 PM Product 3 Administrator 163.0 g PUES III	Itime Product name Operator name Net mass Unit Scale name Advive 015 1/23/34/PM Product 3 Administrator 163.0 g PUES III 015 1/23/34/PM Product 3 Administrator 163.0 g PUES III 015 1/23/34/PM Product 3 Administrator 163.0 g PUES III													
9/18/2015 11:23:34PM Product 3 Administrator 163.0 g PUES III 9/18/2015 11:23:37PM Product 3 Administrator 163.0 g PUES III 9/18/2015 11:23:37PM Product 3 Administrator 163.0 g PUES III	Instruction Administration Ideal Public Main Ideal 1015 12:334PM Product 3 Administration 163.0 g PLES Ideal 1015 12:334PM Product 3 Administration 163.0 g PLES Ideal 1015 12:334PM Product 3 Administration 163.0 g PLES Ideal	1	taj przeciągnij nagłówek kol	lumny aby pogrupować po tej ko	lumnie									
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9/18/2015 1:23:36 FM Product 3 Administrator 163.0 g PUES III 9/18/2015 1:23:37 PM Product 3 Administrator 163.0 g PUES III	D15 1:23:36 PM Product 3 Administrator 163.0 g PUES III D15 1:23:37 PM Product 3 Administrator 163.0 g PUES III	ï												
9/18/2015 1:23:37 PM Product 3 Administrator 163.0 g PUE5	015 1:23:37 PM Product 3 Administrator 163.0 g PUES		9/18/2015 1:23:34 PM	Product 3	Administrator	163.0	g	PUES						
	215 1:23:40 PM Product 3 Administrator 163.0 g PUES II		9/18/2015 1:23:37 PM											
9/18/2015 1:23:40 PM Product 3 Administrator 163.0 g PUE5								PUE5						
			9/18/2015 1:23:40 PM	Product 3	Administrator	163.0	5							
			9/18/2015 1:23:40 PM	Product 3	Administrator	103.0	9							
			9/18/2015 1:23:40 PM	Product 3	Administrator	103.0								
			9/18/2015 1:23:40 PM	Product 3	Administrator	163.0								
			9/18/2015 1:23:40 PM	Product 3	Administrator	163.0								
			9/18/2015 1:23:40 PM	Product 3	Administrator	163.0								
			9/18/2015 1:23:40 PM	Product 3	Administrator	163.0								

Archival weighing records are restored likewise, to restore the records press "Restore selected archival records".

Weighing records can be deleted upon being moved to archives – ONLY archival weighing records can be deleted.

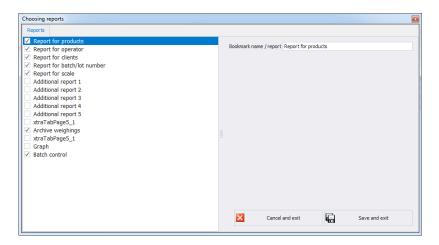
7.2.8. Batch Control

Batch control tab allows to check whether batch numbers are unique. Quantity columns specifies how many times a particular batch number has been used. "1" value informs that a particular batch number has been used once only.

	weighings						
eighing			Choosi	ng reports 🔀 Chart table	Any chart	Report	Close
eptember 18	8, 2015 12:25:33	AM	-				_
, September	19, 2015 12:25	:34 PM	*				
fresh	7 de	ean filter					
5	Report for op	erator	Report for dients	Report for batch/lot number	Report for scale	Archive weighings	Batch control
niówek kolur	nny aby pogrupo	wać no tei k	kolumnie				
Suma Mas	Lot number	ile					
65	2 123456		4				

7.2.9. Reports Chooser #frmTabPageChooser#

Press <u>Choosing reports</u> button to see the window featuring list of reports:



Reports Chooser window allows to show or hide a particular tab of the Complex Reports window, it also enables naming/renaming headers of particular reports. Press Save and exit button to make the introduces modifications valid.

7.2.10. Viewing Large Number of Weighing Records

Standard reports enable presentation of limited number of weighing records. In order to generate and print report on unlimited number of weighing records go to Large Number of Weighing Records tab.

o	m: Tuesday, Septembe	r 01, 2015 1:48:46 AM er 19, 2015 1:48:46 PM				•	iny report	🛃 Refre	sh 🛛 🏅	Clean filter	X	Close
	batarday) ocpicinot	. 19, 2010 11 01 01 01										
	a column header here t	o group by that column										
	ate and time 🛛 👻 📍	Product name	Product code	Operator name	Net mass	Unit	Weighing st	Weighing OK	Scale name			
	9/18/2015 1:23:40 PM	Product 3	3	Administrator	16	53 g	<min< td=""><td></td><td>PUES</td><td></td><td></td><td></td></min<>		PUES			
	9/18/2015 1:23:37 PM	Product 3	3	Administrator	16	53 g	<min< td=""><td></td><td>PUES</td><td></td><td></td><td></td></min<>		PUES			
	9/18/2015 1:23:36 PM	Product 3	3	Administrator	16	53 g	<min< td=""><td></td><td>PUE5</td><td></td><td></td><td></td></min<>		PUE5			
	9/18/2015 1:23:34 PM	Product 3	3	Administrator	16	53 g	<min< td=""><td></td><td>PUE5</td><td></td><td></td><td></td></min<>		PUE5			
	9/17/2015 2:55:04 PM	Product 2	2	Administrator	15	58 g	ОК	✓	PUE5			
	9/17/2015 2:55:03 PM	Product 2	2	Administrator	15	58 g	OK	✓	PUE5			
	9/17/2015 2:55:02 PM	Product 2	2	Administrator	15	58 g	ОК	✓	PUE5			
	9/17/2015 2:55:01 PM	Product 2	2	Administrator	15	58 g	ок	✓	PUE5			
	9/17/2015 2:55:00 PM	Product 2	2	Administrator	1	58 g	ок	✓	PUE5			
	9/17/2015 2:55:00 PM	Product 2	2	Administrator	1	58 g	ок	~	PUE5			
	9/17/2015 2:54:56 PM	Product 2	2	Administrator	1	58 g	ОК	✓	PUE5			
	9/17/2015 2:54:55 PM	Product 2	2	Administrator	15	58 g	ОК	✓	PUE5			
	9/17/2015 2:54:54 PM	Product 2	2	Administrator	15	58 g	ОК	✓	PUE5			
	9/17/2015 2:54:50 PM	Product 2	2	Administrator	15	59 g	OK	✓	PUE5			
	9/14/2015 11:41:05 AM	Product 1	1		0.30)5 kg	>MAX		PUE5			
)/14/2015 10:18:12 AM	Product 3	3		29	99 g	<min< td=""><td></td><td>PUES</td><td></td><td></td><td></td></min<>		PUES			
)/14/2015 10:18:08 AM	Product 3	3		29	99 g	<min< td=""><td></td><td>PUES</td><td></td><td></td><td></td></min<>		PUES			
	9/11/2015 1:24:06 PM	Product 1	1		0.16	64 kg	ОК	\checkmark	PUE5			
	9/11/2015 1:24:05 PM	Product 1	1		0.16	64 kg	OK	\checkmark	PUE5			
	9/11/2015 1:24:05 PM	Product 1	1		0.16	64 kg	OK	1	PUE5			
	9/11/2015 1:23:56 PM	Product 1	1		0.1	73 kg	OK	\checkmark	PUE5			
	9/11/2015 1:23:53 PM	Product 1	1		0.13	73 kg	OK	\checkmark	PUE5			
	9/11/2015 1:23:52 PM	Product 1	1		0.13	73 kg	OK	\checkmark	PUE5			
	9/11/2015 1:23:51 PM	Product 1	1		0.1	73 kg	ОК	\checkmark	PUE5			
	9/11/2015 1:23:50 PM	Product 1	1		0.1	73 kg	ОК	\checkmark	PUE5			
	9/11/2015 1:23:39 PM	Product 1	1		0.18	33 kg	>MAX		PUE5			
	400				SUM=4656							
					AVG=116.							

CAUTION!

Presented fields quantity is limited for the above tab.

8. PRODUCTION

8.1. Inventory

Inventory tab provides option for generating general and detailed reports, wherein the reports are generated by warehouses from combo box list. Additionally it is possible to display any warehouse inventory and settlement – resource balance of a warehouse.

Inventory window enables you to sort information by any selected column, to do it drag the selected column header over a sort bar. With this option clear readability is guaranteed.

Warehouse Inventory Unit Product name A Lot number Date of entery into the state	Warehouse Inventory Unit Product name Lot number Date of entery into the state Varehouse Inventory Unit Product name Lot number Date of entery into the state Varehouse Inventory Unit Product name Lot number Date of entery into the state Varehouse Inventory Unit Product name Lot number Date of entery into the state Varehouse Inventory Ingredient 1 Product name Product name Purchase 100.000 kg Ingredient 2 Product name		Inventory ×					¢
Name a column header here to group by that column Warehouse Inventory Unit Product name Lot number Date of entery into the state Sale 10.000 kg Ingredient 1 Purchase 550.000 kg Ingredient 2	Orage a column header here to group by that column Warehouse Inventory Unit Product name Lot number Date of entery into the state V Sale 10.000 kg Ingredient 1 Image of entery Purchase 0 100000 kg Ingredient 1 Purchase 550.000 kg Ingredient 2 Image of entery		Add document		Refr	esh 🛛 🤁 Clear filter	Genaral re	port Detailed report
Warehouse Inventory Unit Product name Lot number Date of entery into the state Sale 10.000 kg Ingredient 1 Purchase 100.000 kg Ingredient 1 Purchase 550.000 kg Ingredient 2	Warehouse Inventory Unit Product name Lot number Date of entery into the state P <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
Image: Sele 10.000 kg Ingredient 1 Image: Sele Image:	P Image: Constraint of the system of the syste	Ira			Linik	Dradustasma	Late when	Data of entery into the state
Sale 10.000 kg Ingredient 1 Purchase 100.000 kg Ingredient 1 Purchase 550.000 kg Ingredient 2	Sale 10.000 kg Ingredient 1 Purchase 100.000 kg Ingredient 1 Purchase 550.000 kg Ingredient 2	,	warenouse	Inventory	Onic	Product name	Lot number	bate of entery into the state
Purchase 100.000 kg Ingredient 1 Purchase 550.000 kg Ingredient 2	Purchase 100.000 kg Ingredient 1 Purchase 550.000 kg Ingredient 2		Sale	10.000	ka	Ingredient 1		
			Purchase					
Purchase 100.000 kg Ingredient 3	Purchase 100.000 kg Ingredient 3		Purchase	550.000	kg	Ingredient 2		
			Purchase	100.000	kg	Ingredient 3		
				760.0004 kg 0				

Inventory tab enables the user to generate general report on warehouse inventory, to do it press **General Report** button. The report can be saved to file or printed using printer connected to the computer.

	GENERAL REPO	2/21	
Printing date:	2017-04-26 20:00:26	Page: 1/1	
Stock na	me : Sale		
Assortme	nt name	Inventory Ur	nit
Ingredien	1	10.0004	kg
Stock na	me : <i>Purchase</i>	Inventory Ur	nit
Ingredien			kg
Ingredien	2	550.0000	kg
Ingredien	3	100.0000	kg

Inventory tab enables the user to generate detailed report on warehouse inventory, to do it press **Detailed Report** button. The report provides all warehouse stored product series with their receipt dates.

	INVENT	ED REPORT DRY STATUS	-2 SISI	R
Printing date: 2017-04-2	26 20:01:50		Page : 1/1	
Stock name : Sa	le Series	Date of introduction	lucatori	Unit
	Series		Inventory	Unit
Ingredient 1			10.000	kg
		Stock total:	10.000	kg
Stock name : Pu	rchase			
Assortment name	Series	Date of introduction	Inventory	Unit
Ingredient 1			100.000	kg
Incredient 2			550.000	kg
Ingredient 3			100.000	kg
		Stock total:	750.000	kg

Warehouse inventory can be edited by means of E2R Transactions software, this is done by generating each of accessible transactions:

- Purchase
- Sale
- Warehouse stock transfer
- Waste

8.1.1. Adding New Transaction Document

Press **Add document** button to add new transaction document. The Warehouse operations window is opened, you can determine:

- Type of operation,
- Warehouse to which this operation applies (or Warehouses in case of the warehouse transfer),
- Customer for whom the operation is carried out,
- Notes,

The date and the operator that carries out the operation are loaded from the system without user's intervention (the system date of operation carrying out and currently logged in user).

Warehouse operations					↔		>
Transaction			Warehouse				
X Type of operation	PUR Purchase	Ŧ					
A Date	Wednesday, April 26, 2017 8:07:45 PM	-	Target warehouse			-	
Operator	Servis		Customer			-	
						4	-
			X	Close	i.	Save	
					-		
		. 6	Save				

Upon filling in the basic information, ^{La Save} button is activated. Press it to confirm.

Overview of the possible operations:

PUR Purchase	The operation enables to enter selected product or products to the selected warehouse using the software - product quantity is added to the warehouse inventory.
SAL Sale	The operation enables to decrease the quantity of selected product or products in a selected warehouse using the software - product quantity is removed from the warehouse inventory.
W-W Warehouse transfer	The operation enables transferring the product (or products) between two selected warehouses - the product is removed from the first warehouse and added to the second warehouse.
WAS Waste	The operation enables considering the warehouse wastes in the selected warehouse that apply to the selected product (or products) - selected product, determined as the warehouse waste, is removed from the warehouse.

Now you can add the products that are to be subjected to the selected operation. Determine: product quantity in a product unit, lot no., shelf life (default: 60 days).

Caution!

If the product does not have a determined unit, then the value is given in grams.

Add transaction	×
💖 Product	Ingredient 1 -
[ct] Unit	g 🔹
🤗 Quantity	1500
00285 Lot number	123456
Ø Date of usability	5/26/2017 👻
Cancel and dos	se 📊 Save and close

After filling in all required fields for a specific product, press Save **and close** button. This causes warehouse transfer and adding manual transaction to the system.

9. TOOLS

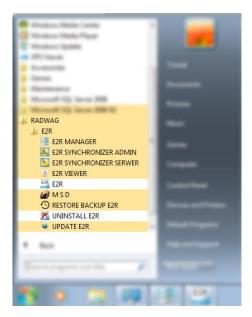
9.1. Scale Viewer

E2R Manager software has been designed to display communication status and scales state preview (ongoing weighing). Additionally it provides information on logged in operator, measured product, nominal net weight (mass standard), batch/lot number of measured product, customer, product tare value, low limit and high limit, working mode and other.

Since **E2R Manager** features simplified interface, it is recommended to use it for scales setup instead of **E2R SYNCHRONIZER ADMIN**.

All messages serve informative purposes, this means that they cannot be save to or printed by **E2R Manager**. To perform the said operations launch **E2R WEIGHING RECORDS** software.

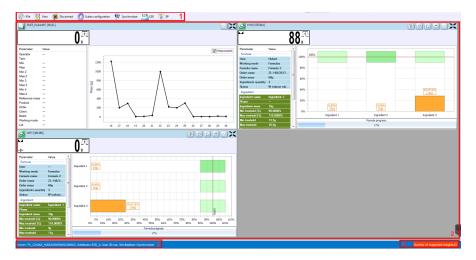
Upon **E2R SYSTEM** installation menu start shall feature **E2R Manager** shortcut.



Another option for accessing **E2R Manager** is to press **Scale viewer** button.



E2R Manager home screen:



Przy czym:

- 1 Function buttons
- 2 Operated weighing instruments
- 3 Connection parameters
- Maximum quantity of operated weighing instruments

CAUTION!

Scale panel is displayed only upon establishment of communication between **E2R Manager** and **Radwag Synchronizer** provided that the scale is on.

9.1.1. Setting Connection with E2R SYNCHRONIZER

To run E2R SYNCHRONIZER software settings editor press **File** button, next press **Software settings** button.



Software settings editor opens, set IP address and communication port for computer which has been used to support connection with scales (server service).

8 Settings		×
Server IP address	127.0.0.1 ~	
Server port	4004	
Language	EN.LNG ~	
Ping IP	ок	
Check server service availability	Server available - waiting for logging	
	Apply Exit	

Where:

Server IP address	IP address of computer running the Synchronizer. Combo box provides list of available synchronizers.
Serwer port	TCP port of computer running the Synchronizer
Language	Language of E2R Manager PC software.
Ping IP	Test of connection for selected IP address, by default: local IP address
Check server service availability	Test of E2R Synchronizer availability

If E2R SYNCHRONIZER and E2R MANAGER are installed on the same computer then the default IP address remains unchained – 127.0.0.1.

Default server port, **4004**, shall be changed only if it has been previously changed in E2R SYNCHRONIZER. The ports have to match each other.

Δ,	Synchronizer Admin 17.1.17.0 - Server 17	.3.1.0	↔	-		\times
Win	ndows Service Parameters					
~	Attr.CategoryName.OPTIONS					
	Attr.DisplayName.Pue5server_Port	4005				
~						
	LangFile	Polish Ing				
~						
	Port	4004				
	Account					
	Password					
~						
	Server	(local)\bazaradwag2012				
	Database	E2R				
	Login	88				
	Password	••••••				
	Workgroup	Synchronizer				
	erver ervers[\instance] location					
	Connect	Available Workstations			Save	

The software provides various languages.

Language options:

- PL Polish
- EN English
- DE German
- ES Spanish
- RU Russian

Press Apply button to make introduced modifications valid, next exit the program.

9.1.2. Scales Layout

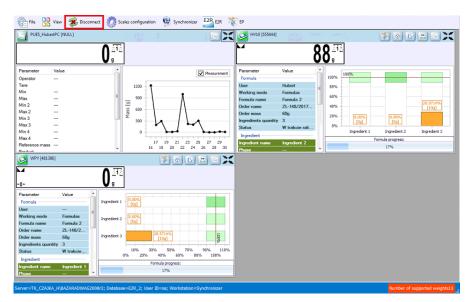
Scales can be freely arranged, to view layout options please press **Layout** button.



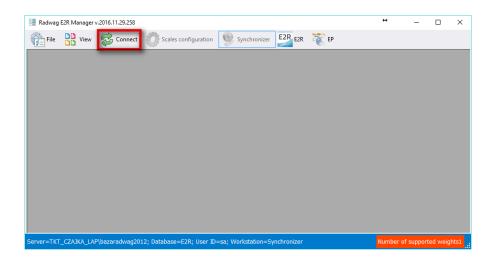
There are 5 standard layout options: 2x2, 3x2, 3x3, 4x3, 4x4.

9.1.3. Connecting/disconnecting E2R SYNCHRONIZER

In order to disconnect synchronizer without exiting the program press Disconnect button.



In order to run an on-line preview when the program is being operated, press Connect button.



9.1.4. Scales Setup

9.1.4.1. Scales

In order to carry out scales setup press **Scales Setup** button, next press **Scales** button.



Scales Setup (Synchronizer) window opens, list of system cooperating scales is displayed.

	me Scale sy	mbol Workstation	Scale type display name	Interface name	Interface config.	Scale serial no.	Scale address	Active
HY 10 K	arol HY 10	Synchronizer	PUE7/HY/7.1/HY10	127.0.0.1	Ethernet; 10. 10. 1.88; 400 1	123456	1	0
PUE HY	10 HY 10	Synchronizer	PUE7/HY/7.1/HY10	10.10.1.105	Ethernet; 10. 10. 1. 1;4001	481386	1	0
PUE 7	?	Synchronizer	PUE7/HY/7.1/HY10	10.10.9.161	Ethernet; 10. 10.9. 161; 4001	?	1	0
HY10	HY 10	Synchronizer	PUE7/HY/7.1/HY10	10.10.1.166 (999999990)	Ethernet; 10. 10. 1. 188; 4001	999999999	1	0
WPY	HY 10	Synchronizer	PUE7/HY/7.1/HY10	10.10.1.65 (123456789)	Ethernet; 10. 10. 1.65; 400 1	123456789	1	0
HY 10	HY 10	Synchronizer	PUE7/HY/7.1/HY10	127.0.0.1	Ethernet; 10. 10. 1. 224; 4001	555444	1	1
WPY	HY 10	Synchronizer	PUE7/HY/7.1/HY10	127.0.0.1	Ethernet; 10. 10. 1. 1; 400 1	481386	1	1
PUES_H	ubertPC PUE5_H	bertPC Synchronizer	PUE5.15/19	127.0.0.1	Ethernet; 127.0.0.1;4001	NULL	0	1

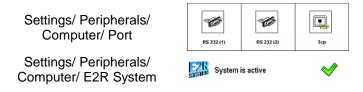
Select the scale that is to be edited or deleted.

Buttons functions

	Press to run Scale Options window						
Edit	Press to edit scale selected out of scales list						
Add Add	Press to add scale to a system						
Delete	Press to delete selected scale						
Browse scales	Press to search scales in local network						
Ping device	Press to check scale IP address						
Exit	Press to exit Scales Setup window						

9.1.4.1.1 Adding a Scale

Weighing instruments can be added automatically or manually. Prior adding the weighing instrument to the system, make sure it is correctly configured. Required settings for HY10:

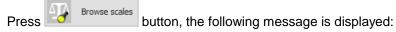


Correctly configured Communication settings.

© Communication	
🌾 RS 232 (1)	🌾 RS 232 (2)
🥆 Ethernet	Г. Тср

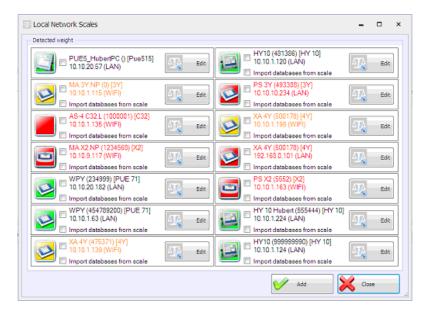
Automatic method:

Weighing instruments connected to the local Ethernet network can be searched and added automatically.





Next Local Network Scales window, featuring list of available scales, opens:



Where:

 ✓ HY10 (999999990) [HY 10] 10.10.1.124 (LAN) □ Import databases from scale 	Edt	Scale already cooperating in the system,
HY10 (481386) [HY 10] 10.10.1.120 (LAN) Import databases from scale	Edt Edt	Detected scale, the scale parameters read correctly
XA 4Y (500178) [4Y] 10.10.1.198 (WIFI) Import databases from scale	A Edt	Detected scale, prior adding the scale to the system some of the parameters need to be completed, e.g. metrological parameters
PS 3Y (493386) [3Y] 10.10.234 (LAN) Import databases from scale	Edt Edt	Detected scale, the scale has been detected but it is not ready for cooperation in a system, connection setup problems or other problems have occurred

(*) – Incorrectly configured weighing instrument does not connect with the database. Connection parameters have to be set manually: **Settings/Databases/Database configuration/SQL connection.**

Select the scales that are to be added and press Add button.

Prior adding the scale you can press Edit button in order to open Scale Editor and check the scale parameters. For description of Scale Editor read manual method instruction.

Manual method:

Press Add button. Scale Editor opens, modify the parameters and press Read parameters button.

- Connection	parameters		Scale metrol	ogy paramet
Connection name		Calibra	tion unit g	Ŧ
Connection type	Ethernet (TCP) V	- W1		
Parameters		Min	0 g	
IP address	3 192.168.0.	Max	0 g	
TCP port 40	01	d	0 g	
		е	0 g	
Scale para	neters	- W2		
Scale name	Scale_?	Min	0 g	
Scale symbol	?	Max	0 g	
Serial no.	?	d	0 g	
Operation type	~	e	0 g	
Number of Platform	ns 1	W3		
✓ Active		Min	0 q	
Import tables t	o E2R	Max	-	
	(a) and and a	d	0 g	
	Read parameters	е	0 g	

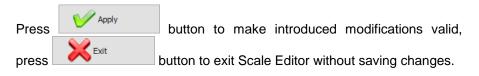
Where:

Connection name	Freely designed name of communication interface.
Connection type	Combo box enabling selection of interface for scale connection: Serial – scale connected via RS232, Ethernet – scale connected via Ethernet.

IP address	IP address set in Ethernet interface on a scale.
TCP port	TCP port set on a scale (by default 4001).
Scale name	Scale name presented on reports.
Scale symbol	Scale symbol exposed on the scale overlay. Required by PGC system.
Serial no.	Serial number of the scale.
Operation type	 Type of connection with a scale: <i>PUEC41</i> – connection with PUEC41H indicator, <i>Pue7/HY/7.1/HY10</i> – connection with industrial scales of WLY, WPY, HY10 and HTY series with standard program version, <i>3Y/4Y</i> – connection with laboratory balance of 3Y series, <i>Pue7/HY/7.1/HY10 KTP/SQC</i> – connection with industrial scales of WLY, WPY, HY10 and HTY series operating in PGC mode, <i>3Y/4Y PGC</i> – connection with laboratory balance of 3Y and 4Y series operating in PGC mode, <i>DynPGC</i> – connection with dynamic scale, <i>MAX</i> – connection with moisture analyzer of MAX, PMC series, <i>Pue4 Land</i> – connection with scales based on PUE4L indicator, <i>Pue7 PCS</i> – connection with scales based on PUE7 and HY terminal (version with Parts Counting program), Disabled for Parts Counting mode of standard scale program, <i>PUE-5</i> – connection with TMX scale with version 3 or earlier of the software, <i>OCS/ISHIDA</i> – connection with MOCS/ISHIDA scale and metal detector, <i>R</i> – connection with laboratory balance of R series <i>X2</i> – connection with laboratory balance of X2

	 series PUE5.15/19 – connection with TMX scale with version 3 or later of the software.
Number of platforms	Number of platforms supported by the scale
Active	Select the option if the weighing instrument is to be previewed.
Import tables to E2R*	Import of the weighing instrument database
Scale metrology parameters	Scale parameters section: Max, Min, d, e; Required by PGC system

(*) – it is possible to import database of the weighing instrument only when adding the instrument to the E2R.



9.1.4.1.2 Editing Scales

Press Scale Setup button, next select Scales option, Scale Setup (Synchronizer) opens, select the scale parameters of which are to be

modified, and press

🥞 - Connection	parameters	Scale metrology parameters				
Connection name 192.168.0.2 (481386)			n1	Platform2		
onnection type E	thernet (TCP) \checkmark	Calibrat	tion unit g 🔻	Calibra	tion unit g 🔹	
Parameters		- W1		- W1		
IP address 19	92.168.0.2	Min	20 g	Min	20 g	
TCP port 400	1		3000 g		3000 g	
		d	1g	d	1g	
Scale param	eters	e	1 g	e	1 g	
cale name	PUE HY 10	- W2		- W2		
cale symbol	HY 10	Min	0 g	Min	0 g	
erial no.	481386	Max	0 g	Max	0 g	
peration type	PUE7/HY/7.1/HY10 ~	d	0 g	d	0 g	
umber of Platforms	2	е	0 g	e	0 g	
/ Active		- W3		- W3		
Import tables to	E2R	Min	0 q	Min	0.0	
	Read parameters	Max	_	Max		
		d	0 g	d	0 g	
V Apply	Exit	е	0 g	e	0 g	

Press button to make introduced modifications valid, press Exit button to exit Scale Editor without saving changes.

9.1.4.1.3 Deleting Scales

Press Scale Setup button, next select Scales option, Scale Setup (Synchronizer) opens, select the scale that is to be deleted, and press

The following message is displayed, press **Yes** button to confirm deletion of a selected scale.

Deleting scale								
Confirm to delete scale (PUE HY 10)								
Yes	Yes No							

CAUTION!

Be especially careful while deleting scales, along with the scale all scalerelated information displayed in a report is deleted.

9.1.4.1.4 IP Address Check

Press	Scale	Setup	button,	next	select	Scale	s option,	Sca	le Setup
) oper vindow (ss I	Pin	g device	button.	"IP	Address
	Г					11			

IP address	s checking		-		×
Adres IP:	10.10.1.224				
Status of execution: Device responding Receive Time [ms]: 5					
	C	Check			

Enter scale IP address and press Check button. Information on status and time is provided.

9.1.4.1.5 Scale Options

Scale Options window features three buttons for three different option groups: Public, Service, Developer.

		Parameters			
Carry out fi	ull product update				Execute
Pue7 - weighing days number			30		
🏲 Online upda	te disabled				
Edit scale ta	ables				

Enabling/disabling options:



Option enabled

Option disabled

• Public

🖂 🖻 Public

Public options are enabled by default, public options modification does not influence system operation negatively.

Parameters	
P Carry out full product update	Execute
Pue7 - weighing days number	30
P Online update disabled	
Edit scale tables	

Carry out full product update*	Complete update of products carried out for a particular scale
Pue 7 - Weighing days number	Specifying how long the weighings are to stay archive
Online update disabled	Disabling scale database synchronization
Edit scale tables	Enabling database editing on a balance
	107

(*) - update of products on scales is carried out regularly therefore there is no need to use this parameter

Service

To enable Service options it is necessary to tick Service box.

Option of selected information update, wherein system information is updated with scale information, has to be approved by global options settings.

Service

Parameters		
🚩 Kronopol Scale 1-order start, 2-order stop	0	
🚩 Enable data update: scale-system		
Enable tare update: scale-system		
Enable thresholds update: scale-system		
Enable nominal weight update: scale-system		
Use scale-declared thresholds		
Pue7 option - Nestle Bars		
Pue7 option - EspersenMode		
Record weighings to Fast Weighings Table – E2R WEIGHING RECORDS		

order stop

Kronopol Scale 1-order start, 2- Customized settings for Kronopol scales.

Enabling update of system information with scale information. Updated values: tare, thresholds, weight.
Enabling update of system
information with scale information.
Updated value: tare.
Enabling update of system
information with scale information.
Updated value: thresholds.
Enabling update of system
information with scale information. Updated value: nominal weight.

Use scale-declared thresholds	Enabling operation with thresholds set on a scale, instead of operation with thresholds set in the system.		
PUE 7 option – Nestle/bars	Customized settings for Nestle scales.		
PUE 7 option – Espersen	Customized settings for Espersen scales.		
Record weighings to Fast Weighings Table – E2R WEIGHING RECORDS	Customized settings for WPW scales, for E2R Weighing Records software.		

CAUTION!

Do not tick "Record Weighings to Fast Weighings Table" option for WEIGHING RECORDS, TRANSACTIONS, FORMULATIONS, PGC, MOISTURE ANALYZERS or CHECKWEIGHER modes.

• Developer

To enable Developer options (programming options) it is necessary to tick Developer box. These options serve informative purposes, they shall not be subjected to modification.

Developer

Parameters					
Version No. of database of products	0				
Version No. of database of operators	0				
Version No. of database of clients	0				
Synchronize universal variables changes	0				
Synchronize vehide changes	0				
Synchronize traceability changes	0				
Synchronize package changes	0				
Synchronize warehouse changes	0				
🟲 Full scale update	0				
Status Description	WAGA WYŁĄCZONA				
🟲 Set a batch					
🟲 Set a lot	11111				
🟲 Set package ID					
🟲 Set Client ID					
🟲 Scale serial no.	481386				
🟲 Weight high threshold - MAX	200				
Weight low threshold - MIN	100				
🟲 Refresh data	1				
🟲 Scale-set order ID	0				
System-set order ID	0				
ID of last acquired weighment from PUE7/HY	44				
ID of last formulation report acquired from PUE7/HY	0				
Last vehide measurement report ID	0				
Scale-set product ID	0				
System-set product ID	1				
🟲 Status	1				
Scale-set operator ID	0				
System-set operator ID	0				
Package ID	0				

Database Version No	Version number of database taken from scale, the number serves as base for scale databases synchronization.		
Scale Serial No.	Serial number taken from scale.		
Weight high threshold - MAX	High threshold value taken from scale.		
Weight low threshold -	Low threshold value taken from scale.		

MIN

Scale-set order ID	ID of current order taken from scale.		
System-set order ID	ID of current order set in the system.		
Scale-set product ID	ID of current product taken from scale.		
System-set product ID	ID of current product set in the system.		
Scale-set operator ID	ID of current operator taken from scale.		
System-set operator ID	ID of current operator set in the system.		
Last report, weighing ID	Number of PUE7/HY records or 3Y records saved in system. Having noticed that weighings or reports are not acquired although automatic algorithm for capturing scale data is in use, set 0 value for particular database.		

CAUTION!

Setting 0 value for last report or weighing ID results with acquisition of the same set of weighings from scale to system.

Press	Apply	button	to	make	introduced	modifications	valid,
press change	Exit S.	button to) ex	kit Scale	e Options wi	ndow without s	saving

9.1.4.2. Global Options

In order to carry out system setup press **Scales Setup** button, next press **Global Options** button.



Global Server Options window opens, list of available parameters is displayed.

		Parameter	rs		
Graph - use	thresholds			\checkmark	
Graph - use	double thresholds				
🕨 Graph - X A	xis time type				
🕨 Graph - X A	xis measurement count			50	
🕨 Graph - Axi	s weighing color				
🕨 Graph - Axi	s min2 color				<>
🕨 Graph - Axi	s min color				<>
🕨 Graph - Axi	s max2 color				♦
🏲 Graph - Axi	s max color				<>
Synchronize	er IP			192.168.0.12	2
Enable orde	ers only on scale (PUEC41)				
Enable data	a update: scale-system				
Enable tare	update: scale-system				
Enable thre	sholds update: scale-syste	m			
Enable nom	inal weight update: scale-s	ystem			
Carry out c	onnection restart with scal	es		Exe	cute
Version no.	of database of formulation	IS		192	
Version No.	of database of products			159	

Global Options window features three buttons for three different option groups: Public, Service, Developer.

Enabling/disabling options:



Option enabled

Option disabled

Public

Public options are enabled by default, public options modification does not influence system operation negatively.



Parameters	
🟲 Graph – thresholds display	\checkmark
🟲 Graph – extra thresholds display	
Graph – X axis displayed as time	
Graph – measurements quantity	50
F Graph – weighing series colour	<>
F Graph – MIN 2 threshold colour	<>
F Graph – MIN threshold colour	<>
F Graph – MAX 2 threshold colour	<
🟲 Graph – MAX threshold colour	<>
Perform complete product update	Execute

Graph – thresholds display	Graph with MIN and MAX thresholds displayed			
Graph – extra thresholds display	Graph with MIN2 and MAX2 thresholds displayed			
Graph – X axis displayed as time	Scaling X axis by measurement time			
Graph – measurements quantity	Determining quantity of simultaneously displayed measurements			
Graph – weighing series colour	Specifying colour for seires of weighings			
Graph – MIN 2 threshold colour	Specifying colour for MIN 2 threshold			
Graph – MIN threshold colour	Specifying colour for MIN threshold			
Graph – MAX 2 threshold colour	Specifying colour for MAX 2 threshold			
Graph – MAX threshold colour	Specifying colour for MAX threshold			
Perform complete product update*	Forcing performance of complete update of products for a particular			
113				

scale.

• Service

To enable Service options it is necessary to tick Service box.



Parameters				
Enable only orders on scale (PUEC41)				
Enable data update: scale-system				
Enable tare update: scale-system				
Enable thresholds update: scale-system				
Enable nominal weight update: scale-system				
Restore tare after zeroing (WPW)				
Transaction synchronization: PUE5-system	\checkmark			
Orders synchronization: PUE5-system	\checkmark			
Use product name with code instead of product name (PUEC41)				
On scale, use product ID instead of Code (PUEC41)				
On scale, use operator ID instead of Code (PUEC41)				
Multeafil statistics restart (PUEC41)		Execute		
Weighigns counter for product (PUEC41)				
PUE7 option - Use supplementary thresholds				

Enable only orders on scale (PUEC41)

Enabling update of system information with scale information. Enable data update: scale-system Updated values: tare, thresholds, weight. Enabling update of svstem information with scale information. Enable tare update: scale-system Updated value: tare. Enabling update of system Enable thresholds update: scaleinformation with scale information. system Updated value: thresholds. Enabling update of svstem Enable nominal weight update: information with scale information. scale-system Updated value: nominal weight.

Manual selection of a product on a

scale blocked.

Restore tare after zeroing (WPW)	Restoring product tare value that was valid prior zeroing.		
Transaction synchronization: PUE5-system	Enabling synchronization of transaction, synchronization with PUE5.		
Orders synchronization: PUE5- system	Enabling synchronization of orders, synchronization with PUE5.		
Use product name with code instead of product name (PUEC41)	Modification of name field for PUEC41 indicator, change result: ID + PRODUCT NAME. Function active only when you select option: Use product ID instead of product code, for scale.		
Use product ID instead of code (PUEC41)	Modification of product code field for PUEC41 indicator, change result: product ID.		
Use operator ID instead of code (PUEC41)	Modification of operator code field for PUEC41 indicator, change result: operator ID.		
Multeafil statistics restart (PUEC41)	Use of PGC intended software to zero statistics of WPW scale.		
Weighigns counter for product (PUEC41)	Synchronization of number of weighings for product from WPW scale.		
PUE7 option - Use supplementary thresholds	Activation of MIN 2 and MAX 2 thresholds.		

CAUTION!

For WPW scale, code field is limited in databases, the limitation allows 6-character long codes maximum.

• Developer

To enable Developer options (programming options) it is necessary to tick Developer box. These options serve informative purposes, they shall not be subjected to modification.



	Parameters				
P	Synchronizer IP	192.168.0.12			
▶	Version no. of database of formulations	192			
	Version No. of database of products	159			
	Version No. of database of operators	44			
▶	Version No. of database of dients	3			
	Synchronize additional variables changes	0			
►	Synchronize package changes	2			
P	Synchronize warehouse changes	555			
P	Refresh data	1			

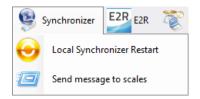
Synchronizer IP	IP address synchronizer.	of	computer	operating
Database version number	System databa basis of this n are synchronize	numbe		,

CAUTION!

With completed settings modification restart the program.

9.1.5. Synchronizer

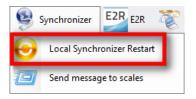
Synchronizer menu features option for connection restart, used to update databases on scales, and option for sending messages to all scales networking in the system.



9.1.5.1. Local synchronizer Restart

Local synchronizer restart option has been enabled for computer with **E2R SYNCHRONIZER** launched. With this option it is possible to reboot server setup and to update scales databases.

Go to Synchronizer menu and press Local Synchronizer Restart button.



Respective window requesting your confirmation is displayed.

Server management						
Confirm to restart server						
No						

Press Yes button to restart server.

9.1.5.2. Sending Messages to Scales

It is possible to send message to scales cooperating in the system. To do it go to **Synchronizer** menu and press Send message to scales button.

🖂 Sending message	×
Message content	
1	^
	~
Displaying time [seconds]	
CK KExit	

Message display time range is 3-3600 seconds.

Press without to send the message, press without to button to exit Sending Message window.

9.1.6. E2R Manager: Scales Status

Status informing on establishing communication between computer and a scale:



Communication established. Correct scale setup. Correct scale setup for E2R Synchronizer.



Communication established.

Temporary lack of response.

Incorrect scale setup or incorrect scale setup for E2R Synchronizer.



Communication not established.

Scale switched off or no communication interface connection.

Incorrect scale setup or incorrect scale setup for E2R Synchronizer.

9.1.7. Scale panel

Overview of the weighing instrument window in Formulations mode:

1	HY10 (5554 -0-	44]	0)≜1≱ ₽			7		6	-5
3-	Parameter Max 2 Min 3 Max 3 Min 4 Max 4 Reference mass Product Order Client Working mode Lot	Value 4		300 250 200 100 50 1 200 1 200 1 200 1 200 1 200 1 200 1 200	- 3	- 4	5	Measu	rement.	-4

- 1 Scale status/ function button
- 2 Current scale-displayed weight value
- 3 Current scale parameters
- 4 Measurements presented in a form of graph
- 5 Full screen button
- 6 Parameters on/off button
- 7 EP software launch, the software automatically connects with the scale*.

Overview of the weighing instrument window in Formulations/Reports mode:

_							11 10		<u></u>
1	HY10 [555444]			_					3 –6
0	~	8	87ª	Я <u>А</u>					-
	Parameter	Value	1	1					1
	Formula		100	100%					
	User	Hubert	100	Ye					1
	Working mode	Formulas							
	Formula name	Formula 2	80'	%					
	Order name	ZL-148/2017		1					
	Order mass	60g	60'	%					5
13 🗖	Ingredients quantity								- 5
	Status	W trakcie rali	40'	N. 1				28.5714%	
-	Ingredient			10				[109]	
	Ingredient name	Ingredient 2							
	Phase	-	20'	%				-	
	Ingredient mass	15g	н.	1	0.00%	0.00*	6		
	Min treshold [%]	90,000%	0'	%		1			1
	Max treshold [%]	110,0000%			Ingredient 1	Ingredie	nt 2	Ingredient 3	
	Min treshold	13,5g				Formula progre	58:		
	Max treshold	16,5g	11			17%			-4
		_							

- 1 Scale status/ function button.
- **2** Current scale-displayed weight value.
- **3** Current scale parameters.
- 4 Progress of the formulation preparation.
- 5 Measurements presented in a form of graph.
- 6 Full screen button.
- 7 Parameters on/off button.
- **8** The way the deviations are displayed.
- 9 Horizontal/vertical graph.
- 10 Pie chart.
- **11** EP software launch, the software automatically connects with the scale*.

(*) – when connection between EP software and a scale gets established, the scale disconnects form E2R.

CAUTION!

Scale panel is displayed only upon establishment of communication between **E2R Manager** and **Radwag Synchronizer** provided that the scale is on.

For key service settings, read E2R SYSTEM service manual.

9.1.7.1. Connection Restart and Scale Update for E2R

It is possible to restart scale in course of system operation, to do it press



button, next press **Restart Scale** button.



Wait tens of seconds for the scale to connect to the system, and for the scale databases to get updated.

CAUTION!

If scales databases have not been updated, even though they were previously edited, then it is necessary to edit one freely selected database record and to carry out restart once more, update shall proceed.

9.1.7.2. Sending Message to Scales

It is possible to send message to one particular scale, to do it press button, next press **Send Message** button.



Sending Message window opens, enter respective text that is to be displayed on a given scale.

Sending message	×
Message content	
Warning!!! A message sent from a computer.	^
	~
Displaying time [seconds]	
CK KExit	

Message display time range is 3-3600 seconds.

Press vert button to send the message, press exit Sending Message window.

button to

The following window is displayed on a selected scale.





