

Label Editor R02

USER MANUAL

ITKU-73-06-01-18-EN



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1. INTENDED USE

Label Editor R02 enables designing labels.

Main functions:

- Designing label templates for labellers: CITIZEN, ZEBRA EPL-II, ZEBRA ZPL-II V2,
- Designing label templates for the following indicators: PUE C/41H, PUE 5, PUE 7, PUE 7.1, PUE HY, PUE HY10,
- Sending graphics to labellers,
- Sending fonts to labellers,
- Connection with the weighing instrument, editing labels database and assigning a label to a product,
- Printing label templates using connected printers.

2. SOFTWARE INSTALLATION

Caution:

- *Prior installation it is necessary to close all applications on your computer,*
- *If you want to install **Label Editor R02** on a computer with already installed previous version of this software, you have to uninstall it first,*
- *Installation instruction was made using Windows 10 and is compatible with all previous versions of MS Windows,*
- *For correct operation of the software, Microsoft.NET Framework version 4.0 or later is required.*
- *For correct operation of the software, you need an operating system with the latest Microsoft ServicePack installed.*
- *Due to the software update, some discrepancies may occur between this user manual's content and the actual state.*
- **RADWAG** *does not bear responsibility for any effects of software operation and potential errors being a result of inappropriate use.*

- **RADWAG** does not bear responsibility for loss of the data being a result of inappropriate use of the software or a computer.

2.1. System Requirements

For correct operation of the program, you need:

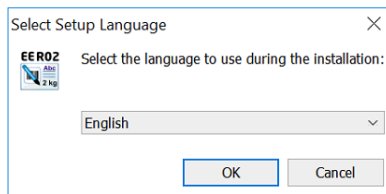
- computer operating in Windows environment: XP/ 2003/Vista/Windows 7/Windows 8/Windows10,
- 2 GHz processor or faster,
- 1 GB internal memory or more (2 GB recommended),
- at least 1 GB of free space on a hard drive,
- 1024x768 computer monitor
- DVD drive.


Caution:

1. If the software is installed on customer's computer, the customer (computer owner) is responsible for any problems with hardware or software.
2. RADWAG does not bear responsibility for:
 - possible effect of '**Label Editor R02**' on other software installed on the computer,
 - malfunction of '**Label Editor R02**' caused by operation of other software installed on the computer.


2.2. Installation Procedure

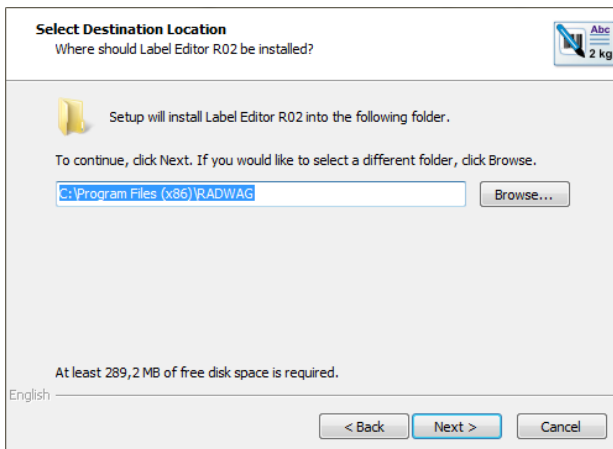
1. To install Label Editor R02, run '**EE R02.exe**' file as an administrator.
2. Language of the installation is the same as the language set in the operating system.



3. Software wizard opens, press  button:

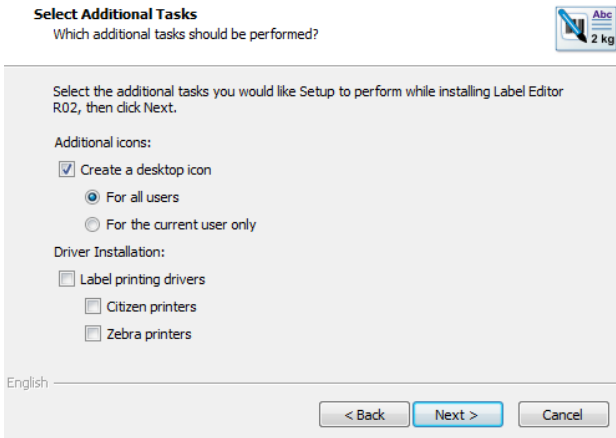


4. Window for selecting installation folder opens, press  button:

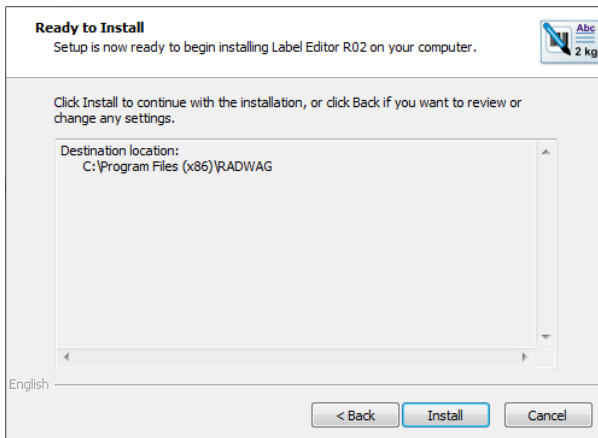


If needed, change installation destination.

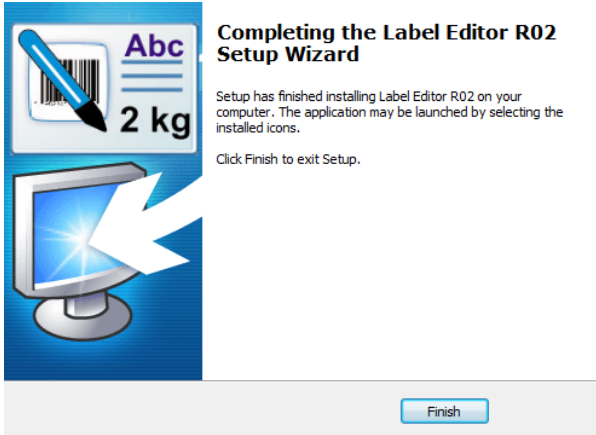
5. In the next window select additional tasks to be carried out during installation.



6. Next, press **Instaluj** button to start installation process:




7. Press **Finish** button to finish installation process:



8. Software shortcut is created on the desktop.

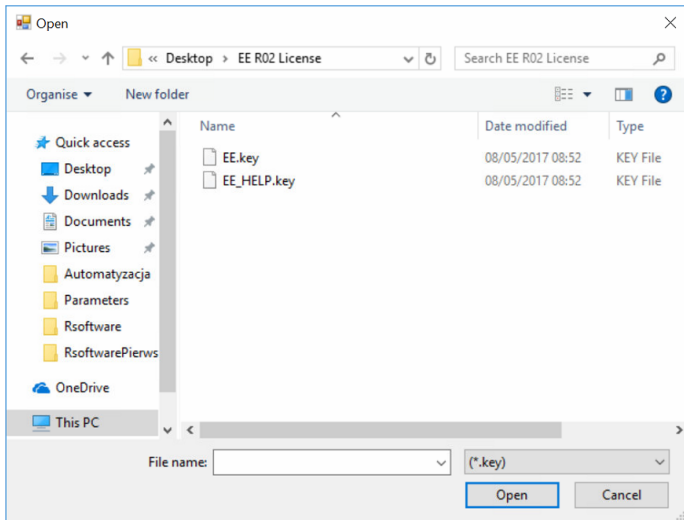


2.3. Software Activation

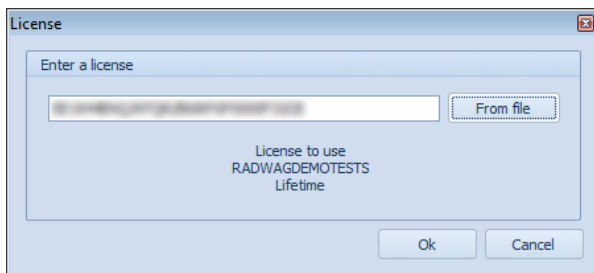
The software installed for the first time will run for 30 days. You have to activate it. To activate Label Editor, start the software and press  License pictogram located in File tab.

In the opened window enter the key you were provided with. Press **Ok** button to activate selected module. Another way to activate the software is to specify a license file with *.key extension. The file is to be found on the CD provided with the software or can be sent via e-mail.

Upon pressing **From file** button, navigation window of the operating system is opened. Find and select file with the key. Press **Open** to finish.

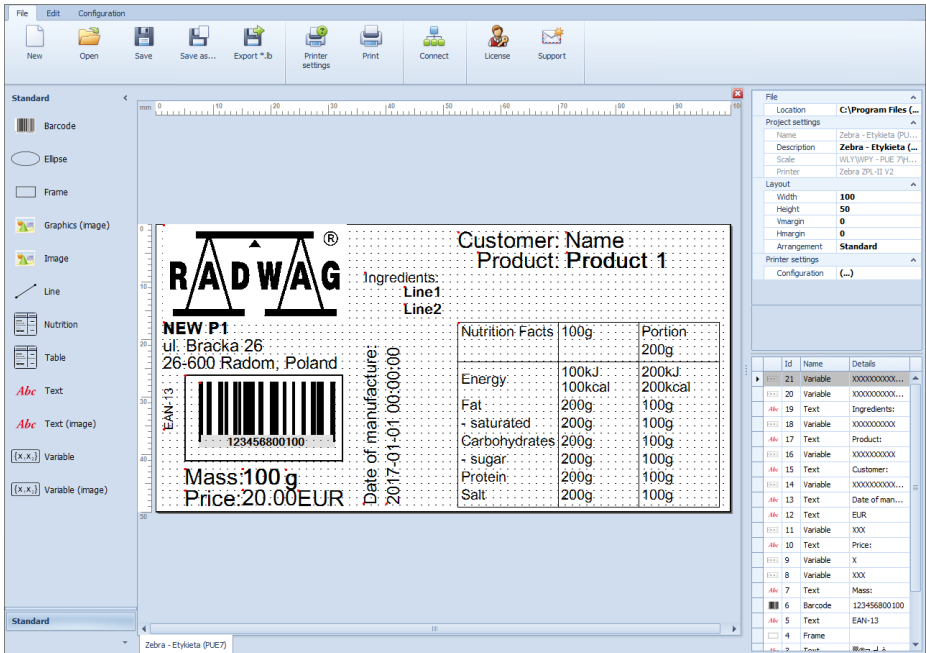


The license is opened in **Enter a license** window.



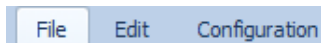
Press **Ok** button to confirm entered license. Following the above procedure you can activate support license.

3. HOME SCREEN



4. MAIN MENU

Menu enables access to all software functions.













4.1. 'File' Menu

<File> menu enables: reading and saving the label, changing printer settings and printing out label template.



Where:

Pictogram	Name	Description
	New	Press to create new label template,
	Open	Press to open an existing label template saved with *.lab extension,
	Save	Press to save label modifications,
	Save as...	Press to save label template with *.lab extension
	Export *.lb	Press to export label created using language compatible with printer, on which the label is to be printed out, with *.lb extension, intended for weighing instruments with the following indicators: PUE C41H, PUE 5, PUE 7, PUE 7.1 PUE HY, PUE HY10,
	Printer settings	Press to open printer settings,
	Print	Press to print label using connected printer,
	Connect	Press to connect with the weighing instrument, to edit its labels database and to assign label to a product,
	License	Press to activate the software (read section 2.3 of this user manual),
	Support	Press to contact with support.*

***)- activation required**

Caution:

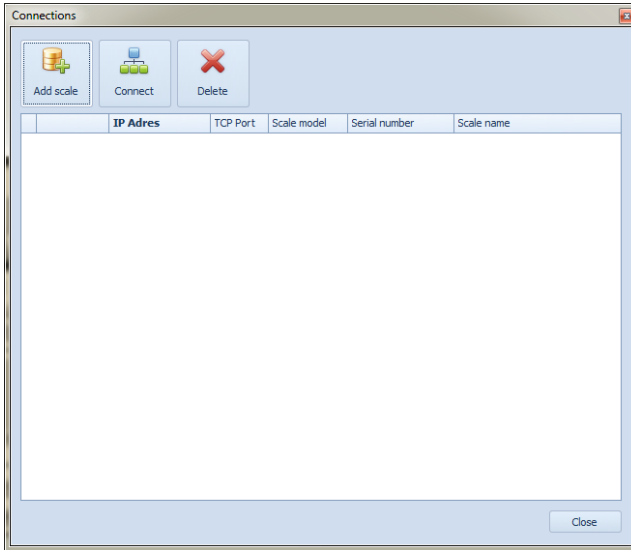
*Exported label template with ***.lb** extension is a non-editable file. It is recommended to save the label again with ***.lab** extension in order to modify the label in the future.*

4.1.1. Connection with the Weighing Instrument




Option enables connection with PUE 7.1 and HY10 indicators in order to send labels to it, edit currently existing labels and assigning labels to products.

In order to connect with PUE 7.1 or HY10 indicator follow the steps below:

1. Select **<File/  Connect>** menu, **<Connections>** window is opened:



Where:

Pictogram	Name	Description
 Add scale	Add scale	Press to add new weighing instrument to the list
 Connect	Connect	Press to connect with weighing instrument selected from the list
 Delete	Delete	Press to delete weighing instrument from the list

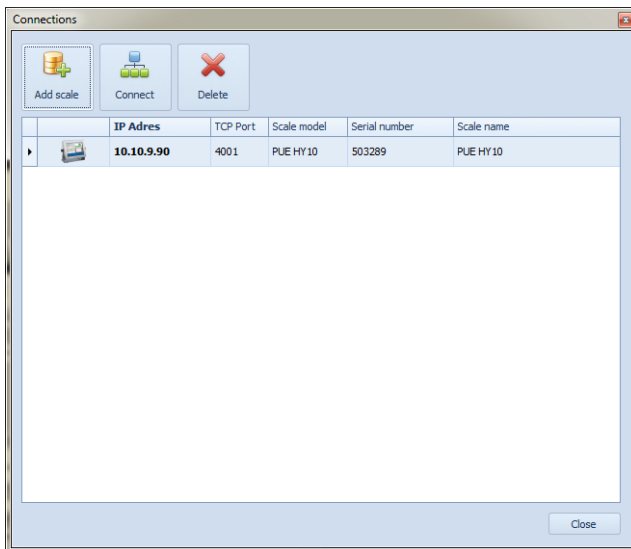
2. Press **<Add scale>** button, **<Scale add Wizard>** is opened:



Where:

Add scale automatically	<p>- list of all instruments in a local network is displayed</p> <ul style="list-style-type: none"> • select weighing instrument to be added and press <Next> button, • next, list of added instruments is displayed, press <Finish> button
Add module	<p>- option not available</p>
Add scale manually	<p>- the form is displayed:</p> <ul style="list-style-type: none"> • enter parameters of added weighing instrument: <ul style="list-style-type: none"> ○ interface for weighing instrument-computer connection, ○ IP address of added weighing instrument, ○ TCP Port of added weighing instrument (4001 by default) • in the next window you can change the name of added instrument, • in the last window a list with added weighing instruments is displayed, press <Finish> button

3. Upon adding weighing terminal it will be displayed on the list of instruments in **<Connections>** window.

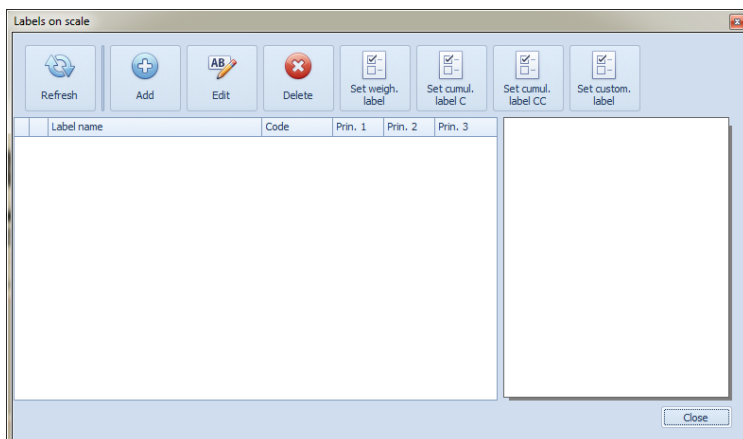


4. Select weighing instrument and press **<Connect>** button, **<Labels on scale>** window is opened.









4.1.2. Sending Label to the Weighing Instrument

To send label to PUE 7.1 or HY10 terminal follow the steps below:

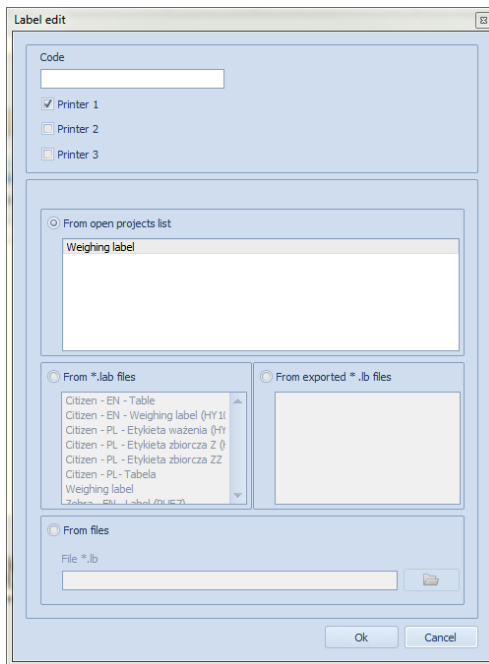
1. Connect with the weighing instrument as described in the previous section. When the label editor is connected with the weighing instrument, **<Labels on scale>** window is displayed:



Where:

Pictogram	Name	Description
 Refresh	Refresh	Press to refresh the list of labels in the weighing instrument
 Add	Add	Press to add new label to the labels database in the weighing instrument
 Edit	Edit	Press to edit a label in the labels database in the weighing instrument
 Delete	Delete	Press to delete the label from the labels database in the weighing instrument
 Set weigh. label	Set weigh. label	Press to assign label to a product
 Set cumul. label C	Set cumul. label	Press to assign C label to a product
 Set cumul. label CC	Set cumul. label C	Press to assign CC label to a product
 Set custom. label	Set custom. label	Press to assign label to a customer

2. Press **<Add>** button, **<Label edit>** window is opened:



The label can be sent:

From open projects list

Projects opened using Label Editor

From exported *.lab files

*.lab files are to be found in the following place:
C:\Program Files\RADWAG\Label Editor R02\Lab

From exported *.lb files

*.lb files are to be found in the following place:
C:\Program Files\RADWAG\Label Editor R02\Lb

From files

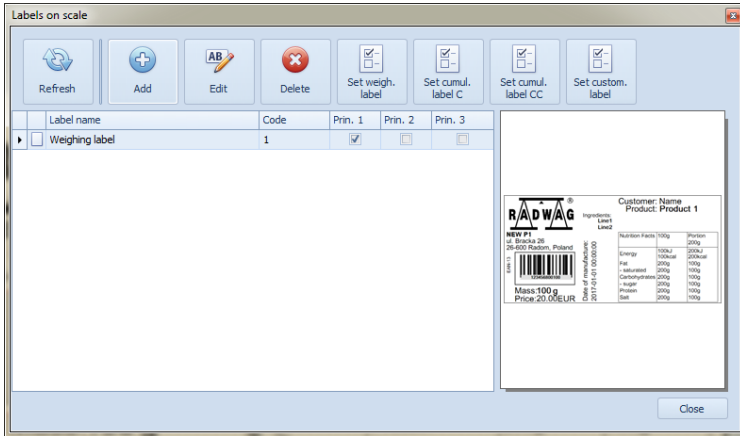
Give any location of *.lab or *.lb file.

3. Select label and press **<Ok>** button to confirm.

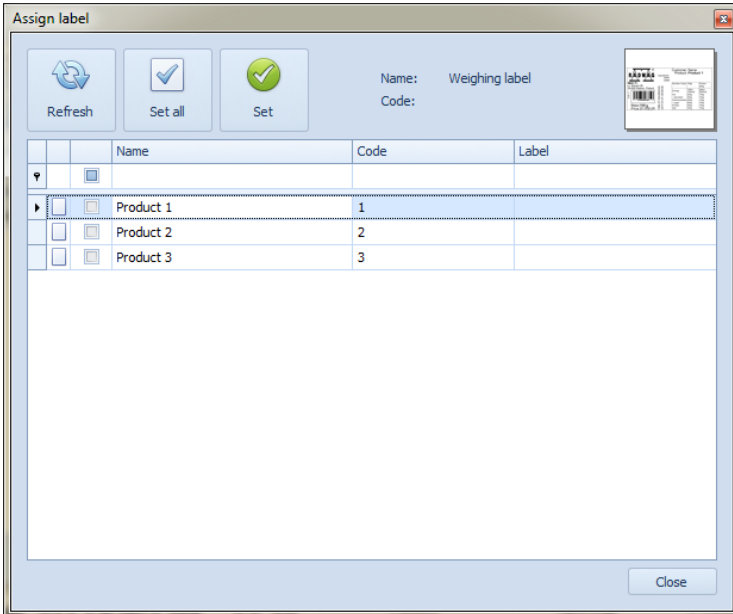
4.1.3. Assigning Label to a Product

To assign label to a product follow the steps below:




1. Connect with the weighing instrument as described in section 4.1.1. When the label editor is connected with the weighing instrument, **<Labels on scale>** window is displayed:



2. Press <Set weigh. label> button, <Assign label> window is opened:



Where:

Pictogram	Name	Description
	Refresh	Press to refresh the list of labels in the weighing instrument
	Set all	Press to select or deselect all products
	Set	Press to assign label to selected product









3. Select one or few products from the list and press **<Set>** button. In the same way you can assign C label, CC label and customer.










4.2. 'Edit' Menu

<Edit> menu enables: copying, deleting and positioning of label components.

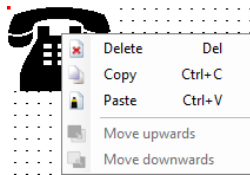


Where:

Pictogram	Name	Description
	Undo	Press to undo the last action
	Repeat	Press to repeat the last action
	Copy	Press to copy label component
	Paste	Press to paste previously copied component to the label
	Delete	Press to delete label component
	Group	Press to group parameters selected from the label into one component
	Ungroup	Press to ungroup previously grouped components
	Select all	Press to select all label components

	Left, right, up, down	Press to move selected component in any direction, you can also move the component by pressing ctrl and navigation keys simultaneously.
	To left	Align selected label components to the left
	To right	Align selected label components to the right
	To top	Align the selected label components to the top
	To bottom	Align the selected label components to the bottom
	Centre vertically	Centring selected label components vertically
	Centre horizontally	Centring selected label components horizontally
	Move upwards	Move selected label component upwards
	Move downwards	Move selected label component downwards

You can access the basic editing functions by pressing label component with right mouse button:



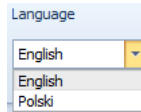
4.3. 'Configuration' Menu

<Configuration> menu enables changing the software language and settings.



4.3.1. Language

In **<Language>** submenu you can change language version of the software. The language is changed immediately after its selection, restart is not required.

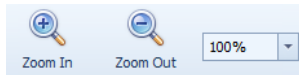


The following languages are available in current version of the software:

- English
- Polish

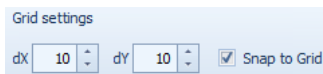
4.3.2. Zoom

In **<Zoom>** submenu you can zoom in and zoom out currently edited label.



4.3.3. Grid

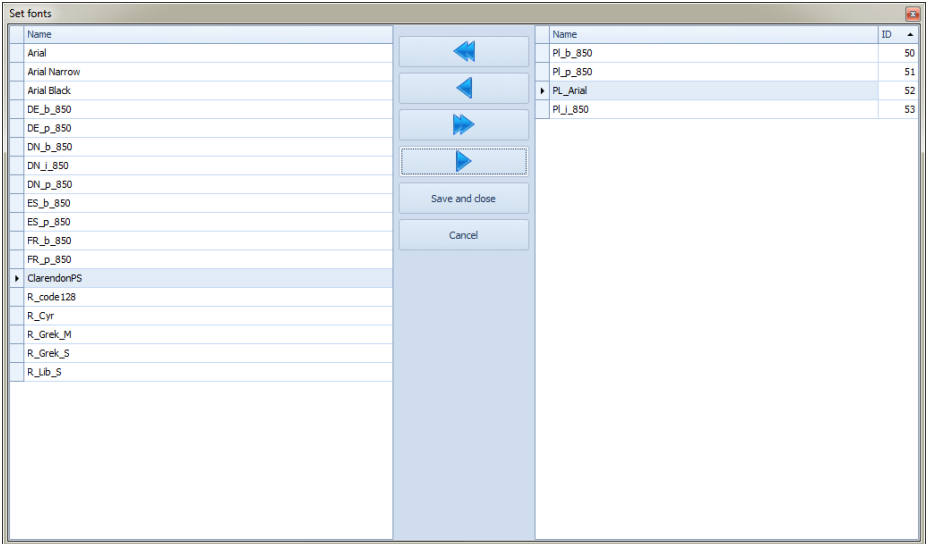
In **<Grid>** submenu you can enable/disable displaying grid on the label. In **<Line>** submenu you can enable/disable displaying lines on the label.



In **<Grid settings>** submenu you can set the grid spacing settings (**dX**, **dY** values) and declare whether the objects are to be drawn to the grid by selecting **Snap to Grid** option.

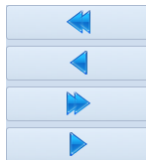
4.3.4. Fonts

In **<Set fonts>** submenu you can activate displaying all system fonts during font or variable selection.



The left column contains hidden fonts. The right column contains fonts used to create text fields, variables and tables. They can also be sent to the printer. ID field contains number of the Citizen printer memory cell to which the font is to be saved, the first number is id=50. In case of Zebra printer ID number does not matter, due to a fact that fonts are identified by their names. Sending fonts to printers is described in the following section: 4.3.5.2.

Fonts can be moved between columns using the following arrows:



Caution:

The list of fonts contains only fonts that are located in the software local folder. These fonts are automatically installed in the system during 'Label Editor R002' installation.

4.3.5. Sending Data to a Printer

Upon selecting label printer the software adapts to its requirements. Software user can sent graphics and fonts to the declared printer.

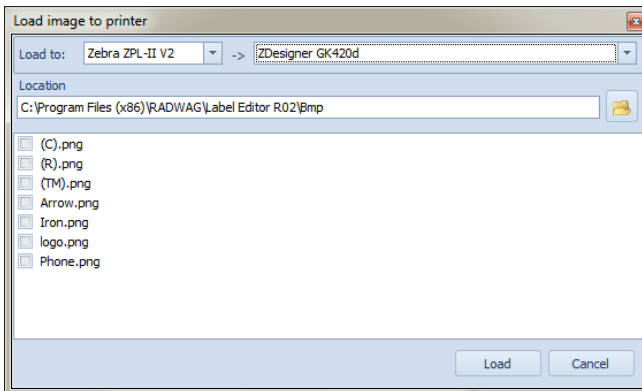
Caution:


Cooperation between „**Label EditorR02**” and printer (sending data, printing label) requires installation of the device in the operating system and declaring communication port of the printer.

4.3.5.1. Loading Images

To load an image to a printer follow the steps below:

1. Select **<Configuration/  Load bitmap to printer>**, **<Load bitmap to printer>** window is opened:

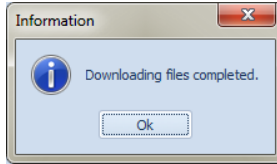


2. Select **<Load to:>** type of selected printer and name of a printer installed in the system.
3. Press  button to select image location (if necessary). The window contains list of images that are located in the local folder of the computer software: **C:\Program Files\RADWAG\Label Editor R02\Bmp**.

Caution:

*If you need to create new images, remember to save them as **'Monochrome bitmap'**.*

4. Double-click on the selected image,
5. Press **<Load>** button,
6. Upon image loading completion the following message is displayed:

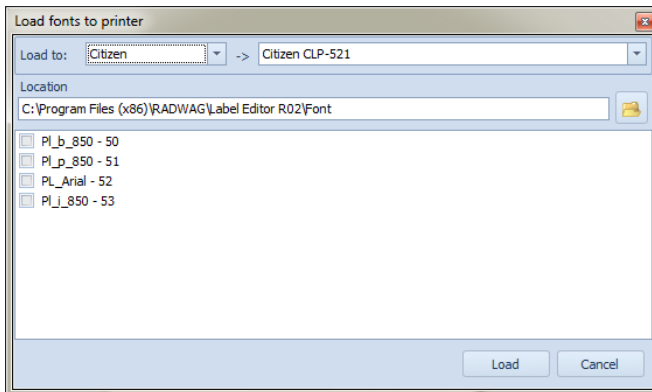



7. Press **OK** button to confirm.

4.3.5.2. Load Fonts to Printer

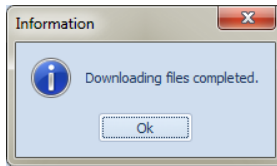
CITIZEN printers support **True Type** fonts with standard *.**ttf** extension. **ZEBRA ZPL-II** printers support **True Type** fonts with *.**zst** extension. To load respective font to the printer memory follow the steps below:

1. Select **<Configuration/ Load fonts to printer>**, **<Load fonts to printer>** window is opened:



2. Select **<Load to:>** type of selected printer and name of a printer installed in the system.
3. The list contains names of fonts and ID of the Citizen printer memory cell to which the font is to be saved. In **<Set fonts>** (4.3.4) submenu you can add or delete font and change ID of the memory cell.
4. Press  button to select respective font location (if necessary). The window contains list of fonts with *.**ttf** extension for Citizen or *.**zst** extension for Zebra. The fonts are to be found in the local folder of the computer software: **C:\Program Files\ RADWAG\Label Editor R02\Font**.

5. Select respective fonts and press **<Load>** button,
6. Upon operation completion the following message is displayed:



7. Press **OK** button to confirm.

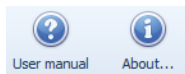
4.3.6. Skins

The software enables changing the skin of the Label Editor R02. The skin can be selected in 'Configuration' menu.



4.4. 'Info' Menu

In **<Info>** menu you can obtain information on software version and open user manual with *.pdf extension.

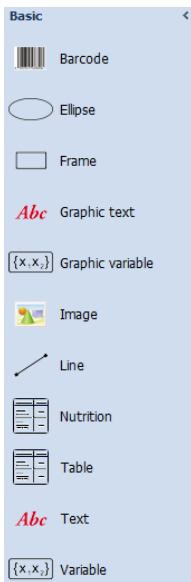


5. OBJECTS MENU








Caution:

Objects menu is not active until new label project is created or the last project is opened.

The object menu is to be found on the left side of the home screen.



Where:

Pictogram	Name	Description
	Barcode	- Adding barcode
	Elipse	- Adding Elipse
	Frame	- Adding frame
	Image	- Adding an image to the label
	Line	- Adding line
	Nutrition	- Adding nutrition table
	Table	- Adding table
<i>Abc</i>	Text	- Adding text
<i>Abc</i>	Graphic text	- Adding text (image)
{X ₁ ,X ₂ }	Variable	- Adding variable
{X ₁ ,X ₂ }	Graphic variable	- Adding variable (image)

For detailed procedure informing you how to add objects to the label project refer to section 9 of this user manual.

6. PROJECT SETTINGS

In the top right corner of the home screen there is a list with label project and layout settings.

6.1. Label Project Settings

If there is no object on the label or none object on the label is selected, the list contains the default settings:

Project settings	
Name	Weighing label
Description	Zebra - Etykieta (...)
Scale	WLY/WPY - PUE 7/H...
Printer	Zebra ZPL-II V2
Layout	
Width	100
Height	50
Vmargin	0
Hmargin	0
Arrangement	Standard
Printer settings	
Configuration	(...)
Name Label project name.	

Where:

- „**Project settings**” submenu contains:
 - Name** - Label name (a read-only parameter)
 - Description** - Label description
 - Scale** - Type of declared weighing instrument (a read-only parameter)
 - Printer** - Type of declared printer (a read-only parameter)
- „**Layout**” submenu contains:
 - Width** - Label width
 - Height** - Label height
 - Vmargin** - Horizontal margin
 - Hmargin** - Vertical margin
 - Arrangement** - Printout arrangement (standard or reversed)

- „**Printer settings**” submenu contains configuration of the declared printout,
- At the bottom part of the list a description of the edited setting is displayed.

6.2. Text Settings

Upon selecting 'Text' object, text settings are automatically displayed on the settings list:

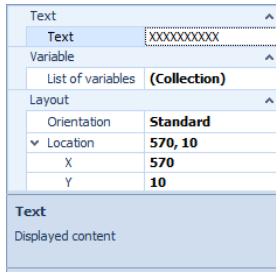
Text ^	
Text	Customer:
Layout ^	
Orientation	Standard
▼ Location	30, 10
X	30
Y	10
Text	
Displayed content	

Where:

- „**Text**” submenu contains:
 - Text** - Text content to be displayed
- „**Layout**” submenu contains:
 - Orientation** - Text orientation (standard, down, reversed, up)
 - Location** - Text location on the label, where
 - X** - X coordinate
 - Y** - Y coordinate
- At the bottom part of the list a description of the edited setting is displayed.

6.3. Variable Settings

Upon selecting 'Variable' object, variable settings are automatically displayed on the settings list:

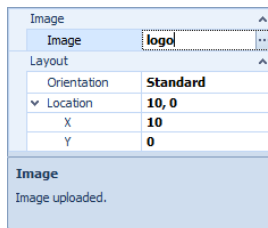


Where:

- „**Text**” submenu contains:
 - Text** - Variable content to be displayed
- „**Variable**” submenu contains:
 - List of variables** - Window with variables list is opened
- „**Layout**” submenu contains:
 - Location** - Variable location on the label, where:
 - X** - X coordinate
 - Y** - Y coordinate
 - Orientation** - Variable orientation (standard, down, reversed, up)
- At the bottom part of the list a description of the edited setting is displayed.

6.4. Image Settings

Upon selecting 'Image' object, image settings are automatically displayed on the settings list:



Where:

- „**Image**” submenu contains:
 - Image** - Name of selected image
- „**Layout**” submenu contains:
 - Location** - Image location on the label, where:
 - X** - X coordinate
 - Y** - Y coordinate
 - Orientation** - Image orientation (standard, down, reversed, up)
- At the bottom part of the list a description of the edited setting is displayed.

6.5. Barcode Settings

Upon selecting 'Barcode' object, barcode settings are automatically displayed on the settings list:

Barcode ^	
Type	EAN-13 (JAN-13) ▾
Kind	1D
Narrow	2
Text visibility	Yes
Layout ^	
Height	140
Width	270
Orientation	Standard
▼ Location	40, 330
X	40
Y	330
Type	
Barcode type	

Where:

- „**Barcode**” submenu contains:
 - Type** - Barcode type
 - Kind** - Barcode kind (1D or 2D)
 - Height** - Barcode height
 - Width** - Thick line width
 - Narrow** - Narrow line width
 - Text visibility *** - Text visibility on printout

*) – Option available only for ZEBRA EPL-II printers.

- „**Layout**” submenu contains:

Location - Barcode location on the label, where:

X - X coordinate

Y - Y coordinate

Orientation - Barcode orientation

- „**Variable**” submenu contains:

List of variables - Window with variables list is opened

- At the bottom part of the list a description of the edited setting is displayed.

6.6. Line Settings

Upon selecting 'Line' object, line settings are automatically placed on the settings list:

Line ^	
Width	4
Height	96
Layout ^	
Orientation	Standard
▼ Location	372, 163
X	372
Y	163
Width	
Object width.	

Where:

- „**Line**” submenu contains:

Width - Line width

Height - Line height

- „**Layout**” submenu contains:

Location - Line location on the label, where:

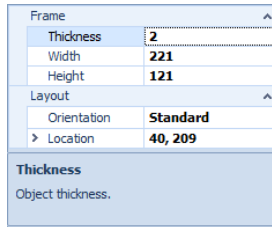
X - X coordinate

Y - Y coordinate

- At the bottom part of the list a description of the edited setting is displayed.

6.7. Frame Settings

Upon selecting 'Frame' object, frame settings are automatically displayed on the settings list:



Frame	
Thickness	2
Width	221
Height	121
Layout	
Orientation	Standard
> Location	40, 209
Thickness	
Object thickness.	

Where:

- „**Frame**” submenu contains:
 - Thickness** - Frame line thickness
 - Width** - Frame width
 - Height** - Frame length
- „**Layout**” submenu contains:
 - Location** - Frame location on the label, where:
 - X** - X coordinate
 - Y** - Y coordinate
- At the bottom part of the list a description of the edited setting is displayed.

7. OBJECTS LIST

In the bottom right corner of the home screen there is a list of label components. The elements are classified in accordance with their **Id** numbers. Each element on the list features an image displayed next to **Id** number. The image is identified with the type of object.

	Id	Name	Details	
<i>Abc</i>	13	Text	Date of man...	▲
<i>Abc</i>	12	Text	EUR	
<input type="checkbox"/>	11	Variable	XXX	
<i>Abc</i>	10	Text	Price:	
<input type="checkbox"/>	9	Variable	X	
<input type="checkbox"/>	8	Variable	XXX	
<i>Abc</i>	7	Text	Mass:	
<input checked="" type="checkbox"/>	6	Barcode	1234560011	
<i>Abc</i>	5	Text	EAN-13	
<input type="checkbox"/>	4	Frame		▼

8. NEW LABEL

To create new label project, select **<File / New>** option located in the home screen.

Opened **<New project>** window contains two tabs:

- Label settings,
- Printer settings.

8.1. Label Settings

<Label settings> in **<New project>** window:

The screenshot shows the 'New project' dialog box with the 'Label settings' tab selected. The fields are as follows:

- Name:
- Printer type: CITIZEN (dropdown) | DPI: 200 (dropdown)
- Scale type: WLY\WPY - PUE 7\HY\7.1\HY10 (dropdown)
- Width: 40 [mm] (input)
- Height: 40 [mm] (input)
- Horizontal margin: 0 [mm] (input)
- Vertical margin: 0 [mm] (input)
- Arrangement: Standard (dropdown)
- Description:

Buttons: Create, Cancel

Where:

Name	- Label project name
Printer type	- Type of compatible printer (CITIZEN, ZEBRA EPL-II, ZEBRA ZPL-II V2)
DPI	- DPI resolution of compatible printer
Scale type	- Type of operated scale
Width	- Label width
Height	- Label height
Horizontal margin	- A horizontal margin that causes label shift when printing
Vertical margin	- A vertical margin that causes label shift when printing
Arrangement	- Label printout orientation (standard or reversed)
Description	- Additional description of label project

8.2. Printer Settings

Upon selecting label printer in **<Label settings>** the software adapts to its requirements. Designing labels does not change. Only certain functions of the software or used objects are changed.

Caution:

Some options available for one printer are disabled if the software detects different type of printer.

- **<Printer settings>** in **<New project>** window for **CITIZEN** printer selected:

The screenshot shows the 'New project' dialog box with the 'Printer settings' tab selected. The settings are as follows:

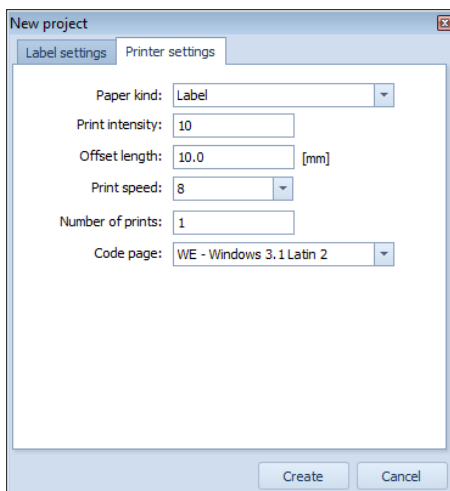
- Paper kind: Label
- Pixel height: 1
- Pixel width: 1
- Print intensity: 10
- Label max length: 100.0 [mm]
- Offset length: 75.0 [mm]
- Number of prints: 1
- Print speed: 8
- Offset speed: 8
- Code page: WE - Windows 3.1 Latin 2

Buttons for 'Create' and 'Cancel' are located at the bottom right of the dialog.

Where:

Paper kind	- Type of paper on which the label is to be printed (label or continuous feed)
Pixel height	- Height of a pixel used for printing the label
Pixel width	- Width of a pixel used for printing the label
Print intensity	- Increase/decrease print intensity
Label max length	- Maximum length of the printed label in case of 'label' type of the paper
Offset length	- Declaration of the offset of a printed label for tearing off
Printouts quantity	- Labels quantity to be printed out
Print speed	- Speed of label printing
Offset speed	- Label offset speed
Code page	- Code page symbol used while printing True Type fonts that were previously loaded to the printer (refer to „ Appendix D ” of this user manual)

- **<Printer settings>** in **<New project>** window for **ZEBRA EPL-II** printer selected:

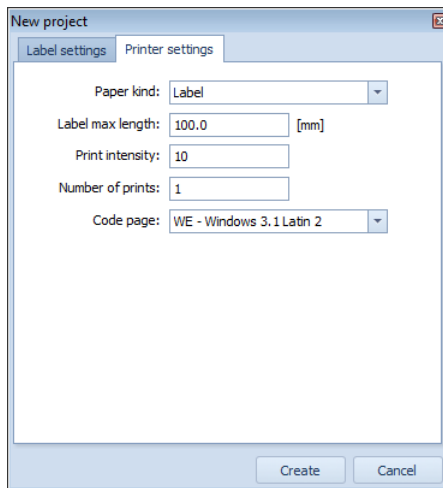


Where:

Paper kind	- Type of paper on which the label is to be printed (label or continuous feed)
Print intensity	- Increase/decrease print intensity

- Offset length** - Declaration of the offset of a printed label for tearing off
- Print speed** - Speed of label printing
- Printouts quantity** - Labels quantity to be printed out
- Code page** - Code page symbol used while printing True Type fonts that were previously loaded to the printer (refer to „**Appendix D**” of this user manual)

- **<Printer settings>** in **<New project>** window for **ZEBRA ZPL-II V2** printer selected:



Where:

- Paper kind** - Type of paper on which the label is to be printed (label or continuous feed)
- Label max length** - Maximum length of the printed label in case of 'label' type of the paper
- Print intensity** - Increase/decrease print intensity
- Printouts quantity** - Labels quantity to be printed out
- Code page** - Code page symbol used while printing True Type fonts that were previously loaded to the printer (refer to „**Appendix D**” of this user manual)

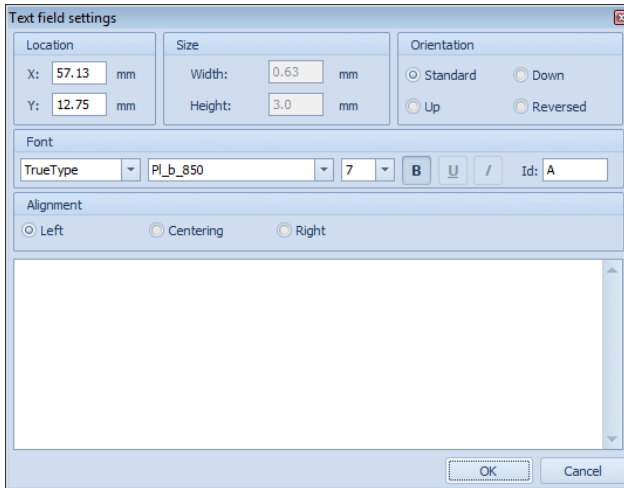
9. ADDING LABEL COMPONENTS

Objects are added to the label using objects menu (refer to section 6 of this user manual).

9.1. Text

Procedure:

1. Select **<Abc Text>** parameter,
2. Click on the label's workspace, **<Text field settings>** window is opened:



Where:

- „**Location**” submenu contains:
 - X** - X coordinate
 - Y** - Y coordinate
- „**Size**” submenu for text field is not active,
- „**Orientation**” submenu contains:
 - Standard** - Standard orientation (no rotation)
 - Down** - Down orientation (90-degree rotation)
 - Up** - Up orientation (270-degree rotation)
 - Reversed** - Reversed rotation (180-degree rotation)
- „**Font**” submenu contains:

<input type="text" value="TrueType"/>	- Font type: „True Type” or „System”
<input type="text" value="Arial"/>	- Font name ¹⁾
<input type="text" value="8"/>	- Font size
<input type="button" value="B"/>	- Bold ^{1), 2)}
<input type="button" value="U"/>	- Underline ^{1), 2)}
<input type="button" value="I"/>	- Italics ^{1), 2)}
<input type="text" value="Id: 50"/>	- Font Id ^{1), 2)}

1) – Function not active for 'System' font,

2) – Function active for special fonts used to distinguish allergens (refer to section 14 of this user manual).

- „**Alignment**” submenu is available only for Zebra printer,
3. Enter respective text in the bottom part of the **<Text field settings>** window,
 4. The text is displayed on the label upon pressing **OK** button.

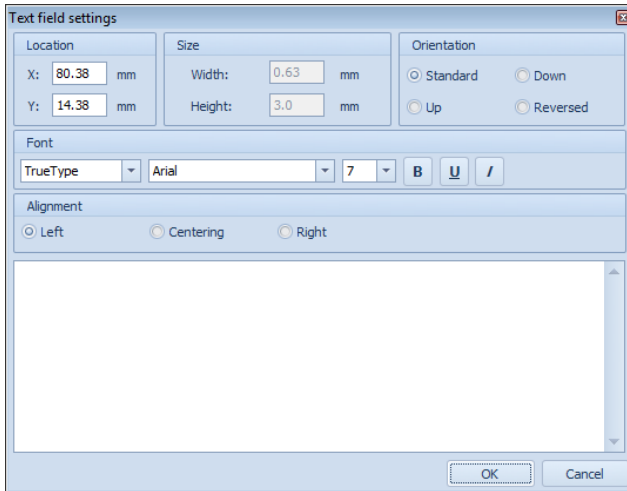
Caution:

1. Supporting the „**True Type**” font of determined **name** and **Id** requires loading this font to the printer's memory. If font's **Id** field is set to **50**, it is necessary to load the font to the printer's memory with the same address - **50**. If these requirements are not fulfilled, texts using this font are not printed out,
2. For detailed procedure informing you how to load fonts to printer's memory refer to section 4.3.5.2 of this user manual,
3. Fonts such as „**System**” feature only **ASCII** characters.

9.2. Graphic Text

Procedure:

1. Select **<Abc Graphic text>** parameter,
2. Click on the label's workspace, **<Text field settings>** window is opened:



Where:

- **„Location”** submenu contains:
 - X - X coordinate
 - Y - Y coordinate
- **„Size”** submenu for text field is not active,
- **„Orientation”** submenu contains:
 - Standard** - Standard orientation (no rotation)
 - Down** - Down orientation (90-degree rotation)
 - Up** - Up orientation (270-degree rotation)
 - Reversed** - Reversed rotation (180-degree rotation)
- **„Font”** submenu contains:

- | | |
|---------------------------------------|--------------------------|
| <input type="text" value="TrueType"/> | - Font type: „True Type” |
| <input type="text" value="Arial"/> | - Font name |
| <input type="text" value="8"/> | - Font size |
| <input type="button" value="B"/> | - Bold |
| <input type="button" value="U"/> | - Underline |
| <input type="button" value="I"/> | - Italics |

- **„Alignment”** submenu is available only for Zebra printer,


3. Enter respective text in the bottom part of the **<Text field settings>** window,
4. The text is located on the label upon pressing **OK** button.

Caution:

1. *The advantage of the Graphic text is possibility to use bold, underline or italics options. You can use Arial and Courier New fonts, which do not need to be uploaded to the printer.*
2. Graphic text is available for Zebra printer only.


9.3. Frame

Procedure:

1. Select **< Frame>** parameter,
2. Select respective area on the label to insert frame.

9.4. Barcode

Procedure:

1. Select **< Barcode>** parameter,
2. Click on the label's workspace, **<Barcode settings>** window is opened:

Where:

- „**Location**” submenu contains:

X - X coordinate
Y - Y coordinate

- „**Size**” submenu contains:

Width - Function not available for barcode settings
Height - Barcode height

- „**Orientation**” submenu contains:

Standard - Standard orientation (no rotation)
Down - Down orientation (90-degree rotation)
Up - Up orientation (270-degree rotation)
Reversed - Reversed rotation (180-degree rotation)

- „**Barcode**” submenu contains:

1D - Declaration of 1D / 2D barcode
 EAN-13 - Code type


Caution:

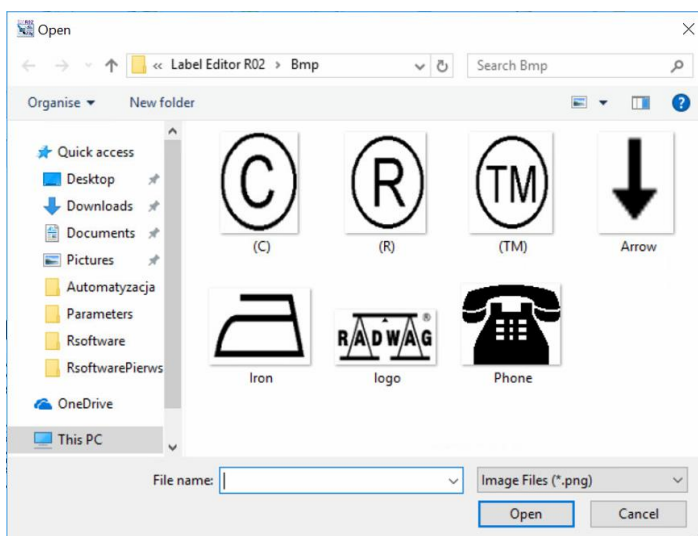
*The list of barcodes available for declared printer are to be found in „**Appendix C**” of this user manual.*

- „**Module width**” submenu contains:
 - Narrow:** - Narrow line width
 - „**Variable**” submenu is the same as „**Variable**” in <**Variable settings**> window (refer to section 9.6 of this user manual).
3. Press **OK** button to confirm. Barcode is automatically displayed on the label.

9.5. Image

Procedure:

1. Select < **Image**> parameter,
2. Click on the label's workspace, <**Open**> window is opened:



The window contains list of images that are located in the local folder of the computer software: C:\Program Files\RADWAG\ Label Editor R02\Bmp.

Depending on the declared printer, the list of images features the following files:

- For CITIZEN - with ***.bmp** extension,
- For ZEBRA - with ***.pcx** extension (EPL-II) and ***.png** extension (ZPL-IIV2).

3. Select image from the list and press **<Open>** button. Selected image is displayed on the label.

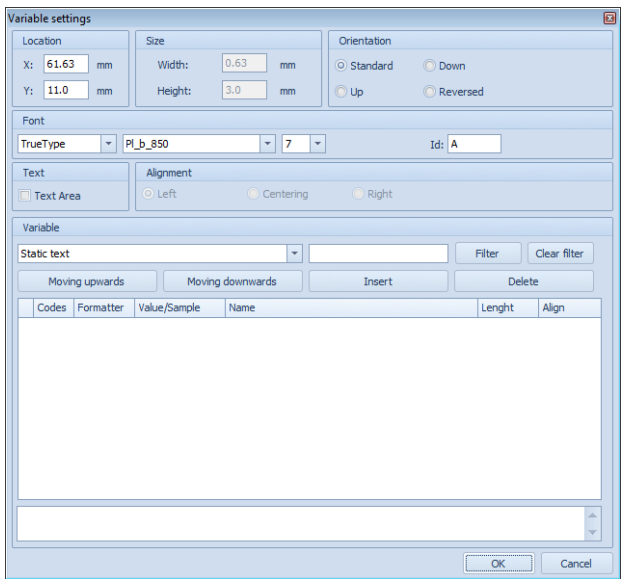
Caution:

In order to print label with image using connected printer, the image has to be uploaded to the printer (refer to 4.3.5.1 of this user manual).

9.6. Variable

Procedure:

1. Select **<{X,X₂} Variable>** parameter,
2. Click on the label's workspace, **<Variables settings>** window is opened:



Where:

- „**Location**” submenu contains:
 - X** - X coordinate
 - Y** - Y coordinate
- „**Size**” submenu is not active for variable settings,
- „**Orientation**” submenu contains:

- Standard** - Standard orientation (no rotation)
- Down** - Down orientation (90-degree rotation)
- Up** - Up orientation (270-degree rotation)
- Reversed** - Reversed rotation (180-degree rotation)

- „Font” submenu contains:

<input type="text" value="TrueType"/>	- Font type: „True Type” or „System”
<input type="text" value="Arial"/>	- Font name ¹⁾
<input type="text" value="8"/>	- Font size
<input type="button" value="B"/>	- Bold ^{1), 2)}
<input type="button" value="U"/>	- Underline ^{1), 2)}
<input type="button" value="I"/>	- Italics ^{1), 2)}
<input type="text" value="Id: 50"/>	- Font Id ¹⁾

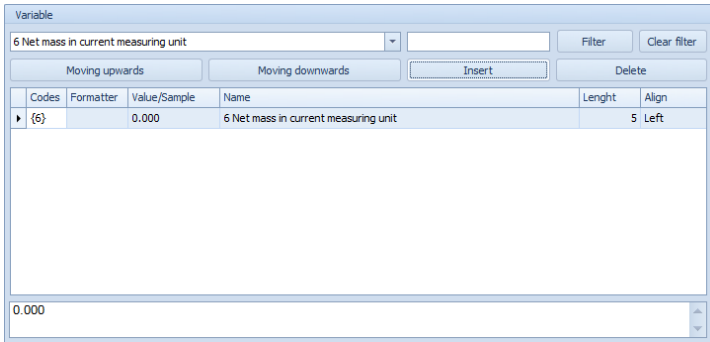
1) – Function not active for 'System' font,

2) – Function active for special fonts used to distinguish allergens (refer to section 14 of this user manual).

3. In 'Variable' submenu select static text or variable from the list (the list of variables accordant with declared type of the indicator - refer to '**Appendix A**' of this user manual). To search for a specific variable, enter its name into the empty field and press button. The list features variables that contain entered text.

Press button on the list to display all variables.

4. Press button to confirm, selected variable is placed in the variables table presented below:



Where:

- Variables table contains the following columns:

Codes - Code of the inserted variable (ST stands for static text)

Formatter - Entering special characters for formatting numeric, text or date variables (see '**Appendix B**' to this user manual)

Value/Sample - Static text or variable value

*

Name - Variable name

Length - Maximum quantity of characters to be printed

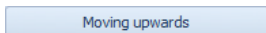
Align - Right or left justification

*) - Entering variable value provides a preview on the label of the variable length that is converted by the indicator using label printout.

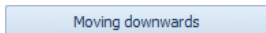
- Variables table contains additional buttons:



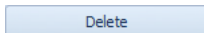
- Select respective item from the list



- Shift variable one item up



- Shift variable one item down



- Delete item entered to the table

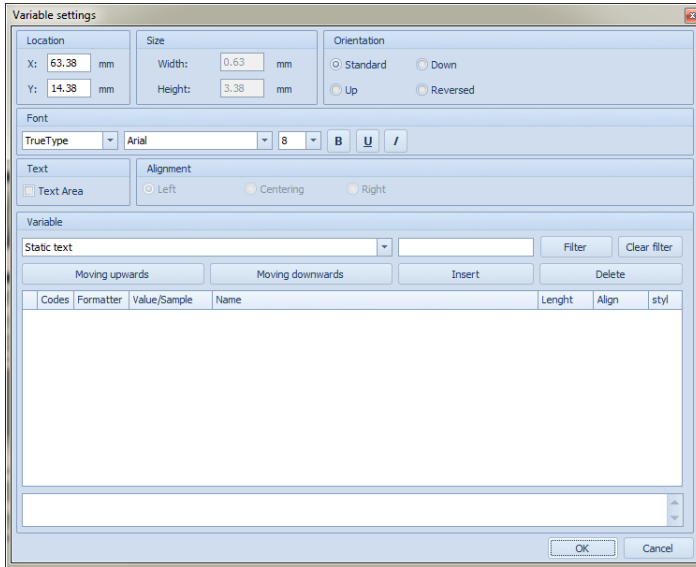
- The lower part of the variables table contains preview window of the entered data.

- Press **OK** button to confirm. Variable is automatically displayed on the label.

9.7. Graphic Variable

Procedure:

1. Select $\langle \{X, X_2\} \rangle$ **Graphic variable** parameter,
2. Click on the label's workspace, **<Variables settings>** window is opened:



Where:

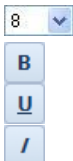
- „**Location**” submenu contains:
 - X** - X coordinate
 - Y** - Y coordinate
- „**Size**” submenu is not active for variable settings,
- „**Orientation**” submenu contains:
 - Standard** - Standard orientation (no rotation)
 - Down** - Down orientation (90-degree rotation)
 - Up** - Up orientation (270-degree rotation)
 - Reversed** - Reversed rotation (180-degree rotation)
- „**Font**” submenu contains:

TrueType

- Font type: „True Type”

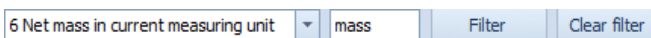
Arial

- Font name



- Font size
- Bold
- Underline
- Italics

3. In '**Variable**' submenu select static text or variable from the list (the list of variables accordant with declared type of the indicator - refer to '**Appendix A**' of this user manual). To search for a specific variable, enter its name into the empty field and press button. The list features variables that contain entered text.



Press button on the list to display all variables.

4. Press button to confirm, selected variable is placed in the variables table presented below:


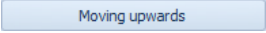
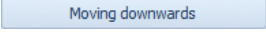
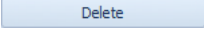
Variable						
6 Net mass in current measuring unit				<input type="text"/>	<input type="button" value="Filter"/>	<input type="button" value="Clear filter"/>
Moving upwards		Moving downwards		<input type="button" value="Insert"/>	<input type="button" value="Delete"/>	
Codes	Formatter	Value/Sample	Name	Length	Align	
▾ {6}		0.000	6 Net mass in current measuring unit	5	Left	
<div style="border: 1px solid gray; height: 150px; width: 100%;"></div>						
0.000						

Where:

- Variables table contains the following columns:
 - Codes** - Code of the inserted variable (ST stands for static text)
 - Formatter** - Entering special characters for formatting numeric, text or date variables (see '**Appendix B**' to this user manual)
 - Value/Sample *** - Static text or variable value
 - Name** - Variable name
 - Length** - Maximum quantity of characters to be printed
 - Align** - Right or left justification

*) - Entering variable value provides a preview on the label of the variable length that is converted by the indicator using label printout.

- Variables table contains additional buttons:

	- Select respective item from the list
	- Shift variable one item up
	- Shift variable one item down
	- Delete item entered to the table


- The lower part of the variables table contains preview window of the entered data.
5. Press **OK** button to confirm. Variable is automatically displayed on the label.

Caution:

1. *The advantage of the Graphic variable is possibility to use bold, underline or italics options. You can use Arial and Courier New fonts, which do not need to be uploaded to the printer.*
2. Graphic variable is available for Zebra printer only.


9.8. Line

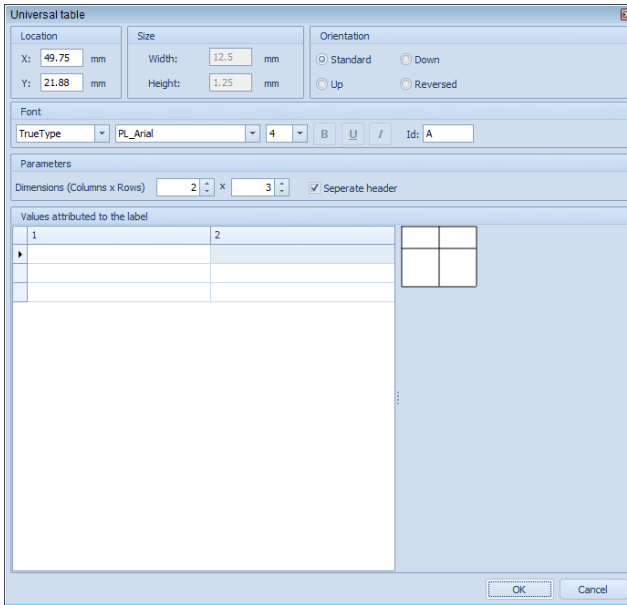
Procedure:

1. Select  **Line** parameter,
2. Select respective area on the label to insert line.

9.9. Table

Procedure:

1. Select  **Table** parameter,
2. Click on the label's workspace, **<Universal table>** window is opened:



Where:

- „Location” submenu contains:

- X** - X coordinate
- Y** - Y coordinate

- „Size” submenu contains:

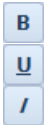
- Width** - Function not available for table settings
- Height** - Table height

- „Orientation” submenu contains:

- Standard** - Standard orientation (no rotation)
- Down** - Down orientation (90-degree rotation)
- Up** - Up orientation (270-degree rotation)
- Reversed** - Reversed rotation (180-degree rotation)

- „Font” submenu contains:

- Font type: „True Type” or „System”
- Font name *
- Font size



Id: 50

- Bold *,**
- Underline *,**
- Italics *,**
- Font Id *


*) – Function not active for 'System' font,

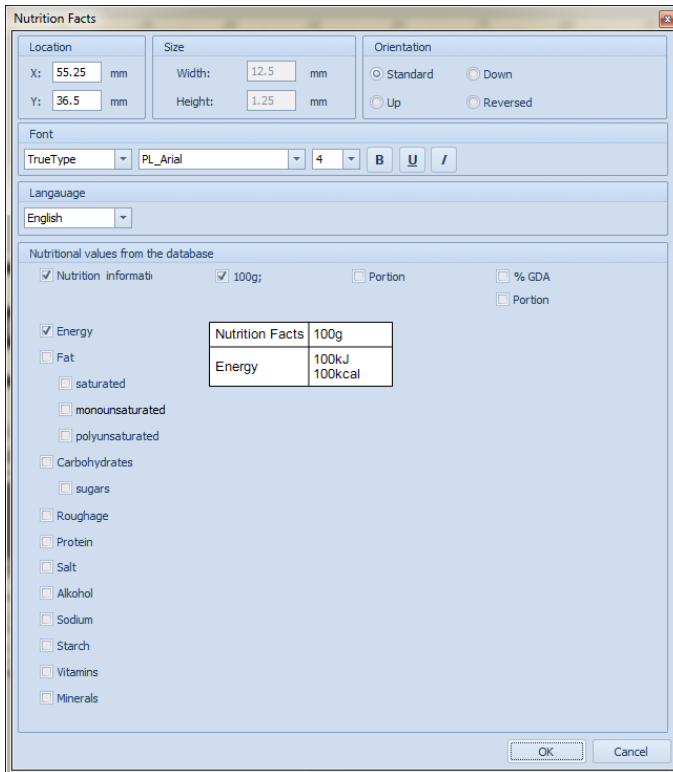
***) – Function active for special fonts used to distinguish allergens (refer to section 14 of this user manual).

3. In '**Parameters**' submenu determine table size.
4. In '**Values attributed to the label**' submenu insert respective value to the cells.
5. Press **OK** button to confirm. Table is automatically displayed on the label.

9.10. Nutrition

Procedure:

1. Select  **Nutrition**> parameter,
2. Click on the label's workspace, **<Nutrition facts>** window is opened:



Where:

- „**Location**” submenu contains:

X - X coordinate
Y - Y coordinate

- „**Size**” submenu contains:

Width - Function not available for table settings
Height - Table height

- „**Orientation**” submenu contains:

Standard - Standard orientation (no rotation)
Down - Down orientation (90-degree rotation)
Up - Up orientation (270-degree rotation)
Reversed - Reversed rotation (180-degree rotation)

- „**Font**” submenu contains:

<input type="text" value="TrueType"/>	- Font type: „True Type” or „System”
<input type="text" value="Arial"/>	- Font name *
<input type="text" value="8"/>	- Font size
<input type="button" value="B"/>	- Bold *,**
<input type="button" value="U"/>	- Underline *,**
<input type="button" value="I"/>	- Italics *,**
<input type="text" value="Id: 50"/>	- Font Id *

*) – Function not active for 'System' font,

***) – Function active for special fonts used to distinguish allergens (refer to section 14 of this user manual).

- **'Language'** submenu contains:

<input type="text" value="English"/>	- Polish or English names of nutrition facts
--------------------------------------	--

3. In **'Nutritional values from the database'** submenu select respective columns and nutrition facts. Names of columns and nutrition facts are set by default. To edit a name, press it twice. In 100g, Portion, % GDA default values are entered. Values completed using weighing indicator are sent to be printed out.
4. Press **OK** button to confirm. Table is automatically displayed on the label.

10. APPENDIX A – VARIABLES LIST

The following tables contain list of available variables depending on the declared weighing indicator.

PUE C41H	
Code	Description
%000	Mass in basic measuring unit for current weighing platform
%001	Mass in current measuring unit for current weighing platform
%002	Date
%003	Time
%004	Date and time
%005	Adjustment unit
%006	Current unit
%007	Min threshold (low checkweighing threshold in specified working mode)
%008	Max threshold (high checkweighing threshold in specified working mode)

%009	Min threshold (seven-digit low checkweighing threshold in specified working mode)
%010	Max threshold (seven-digit high checkweighing threshold in specified working mode)
%011	Net weight in adjustment unit
%012	Gross weight in adjustment unit
%013	Displayed value in current measuring unit
%014	Tare in adjustment unit
%015	Statistics - ordinal number
%016	Statistics - sum in unit of active working mode
%017	Statistics - mean value in adjustment unit
%018	Statistics – minimum value in adjustment unit
%019	Statistics - maximum value in adjustment unit
%020	Statistics - unit
%021	Single part mass (reference mass in measuring unit of weighing platform 1)
%022	Reference sample mass declared in working mode - percent weighing
%023	Weighing platform no.
%024	Operator name
%025	Operator code
%026	Status of N2 counter of CC label
%027	Value of total SUM2 net weight of CC label
%028	Raw material name
%029	Raw material code
%030	Customer name
%031	Customer code
%032	Customer street
%033	Customer postal code
%034	Customer city
%035	Customer country
%036	Customer TIN
%037	Customer discount
%038	Product name
%039	Product code
%040	Product EAN code
%041	Product unit mass
%042	Minimum product mass
%043	Maximum product mass
%044	Product tare
%045	Product price
%046	Product shelf-life time in days
%047	Product VAT
%048	Product date
%049	Currency

%050	Start printing ingredients/materials
%051	Continue printing ingredients/materials
%052	Net value
%053	C net value
%054	CC net value
%055	Gross value
%056	Net mass (lb)
%057	Expiry date (current date + product shelf-life time in days)
%058	Number of displayed decimal places (adjustment unit)
%059	Number of displayed decimal places (current measuring unit)
%060	Net mass in EAN 13 code (6-digit code)
%061	Net mass in EAN 13 code (7- digit code for supermarkets)
%062	Net value in EAN 13 code (6- digit code)
%063	Net value in EAN 13 code (7- digit code)
%064	Net mass in EAN 128 code
%065	C net mass in EAN 128 code
%066	CC net mass in EAN 128 code
%067	Net mass (lb) in EAN 128 code
%068	Gross mass in EAN 128 code
%069	Product price in EAN 128 code
%070	Date in EAN 128 code
%071	Product date in EAN 128 code
%072	Product expiry date in EAN 18 code
%073	Weighing data printout - Weighing net mass
%074	Weighing data printout - Ingredient nominal mass in a formulation
%075	Weighing data printout - Measuring unit
%076	Weighing data printout - Weighing date
%077	Weighing data printout - Weighing time
%078	Weighing data printout - Operator code
%079	Weighing data printout - Product code
%080	Weighing data printout - Customer code
%081	Weighing data printout - Formulation code
%083	Weighing data printout - Lot number
%084	Weighing data printout - Weighing platform number
%085	Weighing data printout - Weighing status
%086	Weighing reports - Lights status (MIN, OK, MAX)
%087	Weighing reports - Sum of weighing records
%088	Weighing reports - Measuring unit
%089	Weighing reports - Weighing records quantity
%090	Weighing reports - Start date
%091	Weighing reports - End date
%092	Weighing reports - Operator code
%093	Weighing reports - Product code

%094	Weighing reports - Customer code
%095	Weighing reports - Formulation code
%096	Weighing reports - Batch number printout
%097	Weighing reports - Lot number
%098	Weighing reports - Weighing type
%099	Weighing reports - Weighing platform number
%100	C net mass in EAN 13 code (6- digit code)
%101	C net mass in EAN 13 code (7- digit code)
%102	C net value in EAN 13 code (6- digit code)
%103	C net value in EAN 13 code (7- digit code)
%104	CC net mass in EAN 13 code (6- digit code)
%105	CC net mass in EAN 13 code (7- digit code)
%106	CC net value in EAN 13 code (6- digit code)
%107	CC net value in EAN 13 code (7- digit code)
%108	Formulations reports - Report date
%109	Formulations reports- Report time
%110	Formulations reports- Operator code
%111	Formulations reports- Operator name
%112	Formulations reports- Formulation code
%113	Formulations reports- Formulation name
%114	Formulations reports- Ingredients quantity in a formulation
%115	Formulations reports- Formulation status
%116	Formulations reports- Sum of formulation masses
%117	Formulations reports- Adjustment unit of weighing platform 1
%118	Formulations reports- Ingredient mass
%119	Formulations reports- Ingredient name
%120	Formulations reports- Ingredient deviation
%121	Formulations reports- Ingredient unit
%122	Formulations reports- Product code assigned to an ingredient
%123	Formulations reports- Product name assigned to an ingredient
%124	Formulations reports- Weighing platform number assigned to an ingredient
%125	Formulations reports- Current ingredient settings
%126	Quantity of a reference sample mass in parts counting mode
%127	Tare difference (current tare reduced by product tare)
%128	Lot number (6 digits)
%129	Name of current record for which complex report is formed
%130	Marking weighing data printout field in a complex report
%131	Dosing net mass in adjustment unit
%132	Current number of records in weighing database
%133	Formulations reports - Ingredient's lot number
%134	Batch number
%135	Printout of weighing data - Batch number
%136	Current dosing correction as mass in adjustment unit
%137	Current MAX threshold after correction
%138	Mass decrement value in percent

%139	Net mass in adjustment unit on subtracting mass decrement
%140	Net mass in current measuring unit on subtracting mass decrement

TMC	
Code	Description
<\$pomiar_trans_symbol>	Transaction symbol
<\$pomiar_trans_dataczas_rozp>	Transaction start date
<\$pomiar_trans_typ_symbol>	Transaction type - symbol
<\$pomiar_trans_typ_opis>	Transaction type - description
<\$pomiar_operator_kod>	Operator - code
<\$pomiar_operator_nazwa>	Operator - name
<\$pomiar_towar_kod>	Product - code
<\$pomiar_towar_nazwa>	Product - name
<\$pomiar_kontrahent_kod>	Customer - code
<\$pomiar_kontrahent_nazwa>	Customer - name
<\$pomiar_ilosc>	Quantity
<\$pomiar_dataczas>	Measurement date
<\$pomiar_ilosc_masa_brutto>	Gross weight
<\$pomiar_tara>	Tare (sum of packages mass)
<\$pomiar_symbol_serii>	Lot symbol
<\$pomiar_nr_kolczyka>	Ear tag no.
<\$pomiar_data_przydatnosci>	Expiry date
<\$pomiar_kod_kreskowy>	Barcode
<\$pomiar_towar_opis_X>	Description field assigned to product
<\$pomiar_mag_zrodlo_kod>	Source warehouse code
<\$pomiar_mag_zrodlo_nazwa>	Source warehouse name
<\$pomiar_mag_cel_kod>	Target warehouse code
<\$pomiar_mag_cel_nazwa>	Target warehouse name
<\$pomiar_masa_jednostkowa>	Unit mass of weighed product
<\$pomiar_nr_wazenia>	Weighing control number
<\$pomiar_ilosc_opakowan>	Packaging quantity in weighing
<\$pomiar_masa_jednostkowa>	Weighed quantity/ pieces quantity
<\$numer_skrzynki>	No. of the following box in transaction
<\$pomiar_ilosc_masa_suma>	Sum of mass
<\$pomiar_ilosc_sztuki_suma>	Sum of products in pieces
<\$pomiar_towar_nazwa_X>	Name of weighed product
<\$pomiar_ilosc_X>	Quantity of weighed product
<\$ryby_zleczenie_numer>	Fish - order no.
<\$ryby_surowiec_nazwa>	Fish - raw material name
<\$data_produkcji>	Manufacturing date
<\$data_waznosci>	Expiry date
<\$temperatura_przechowywania>	Storage temperature
<\$ryby_dostawca_nazwa>	Fish - supplier name
<\$ryby_jakosc_rozmiar>	Fish - quality, size
<\$ryby_waga_deklarowana>	Fish - declared weight
<\$ilosc>	Quantity of fish

<\$ryby_kod_kreskowy>	Fish - barcode
<\$ryby_surowiec_nazwa>	Fish - raw material name
<\$ryby_index_wyrobu>	Fish - product index
<\$ryby_zlecenie_opis>	Fish - order description
<\$ryby_waga_deklarowana>	Fish - declared weight
<\$ryby_kod_kreskowy_2>	Fish - barcode 2
<\$ryby_kod_kreskowy_opis>	Fish - barcode description
<\$ryby_kod_kreskowy_2_opis>	Fish - barcode 2 description
<\$pomiar_mag_zrodlo_kod>	Source warehouse code
<\$pomiar_mag_zrodlo_nazwa>	Source warehouse name
<\$pomiar_mag_cel_kod>	Target warehouse code
<\$pomiar_mag_cel_nazwa>	Target warehouse name

PUE 7.1, HY 10	
Code	Description
{0}	Standard printout in adjustment unit
{1}	Standard printout in current measuring unit
{2}	Date
{3}	Time
{4}	Date and time
{5}	Mathematical formula
{6}	Net weight in current measuring unit
{7}	Net weight in adjustment unit
{8}	Gross weight
{9}	Tare
{10}	Current measuring unit
{11}	Adjustment unit
{12}	Min threshold
{13}	Max threshold
{14}	Lot number
{15}	C Statistics: Number
{16}	C Statistics: Sum
{17}	C Statistics: Mean
{18}	C Statistics: Minimum
{19}	C Statistics: Maximum
{20}	CC Statistics: Number
{21}	CC Statistics: Sum
{22}	CC Statistics: Mean
{23}	CC Statistics: Minimum
{24}	CC Statistics: Maximum
{25}	Mass: [lb]
{26}	Result control
{27}	Value
{28}	C value
{29}	CC value

{30}	Gross
{31}	Weighing platform no.
{32}	Serial number
{33}	Reading unit
{34}	Range
{35}	Parts counting: Reference sample mass
{36}	Percent weighing: Reference sample mass
{37}	Statistics: Standard deviation
{38}	CC Statistics: Standard deviation
{39}	Universal variable
{41}	Batch number
{42}	Statistics: Weighings counter
{43}	Platform mass
{44}	Scale type
{45}	Parts counting: Reference sample quantity
{46}	CC Statistics: Measurements quantity
{47}	Statistics: Gross sum
{48}	CC Statistics: Gross sum
{49}	Universal variable: Name
{50}	Product: Name
{51}	Product: Code
{52}	Product: EAN code
{53}	Product: Mass
{54}	Product: Tare
{55}	Product: Unit price
{56}	Product: Minimum
{57}	Product: Maximum
{58}	Product: PGC mode
{59}	Product: Shelf-life time in days
{60}	Product: VAT
{61}	Product: Date
{62}	Product: Expiry date
{63}	Product: Density
{64}	Product: Ingredients
{65}	Product: Description
{66}	Product: Low deviation
{67}	Product: High deviation
{68}	Product: Category
{69}	Product: Expiry date 1
{70}	Product: Expiry date 2
{74}	Mass minus weight loss
{75}	Operator: Name
{76}	Operator: Code
{77}	Operator: Permissions
{80}	Packaging: Name
{81}	Packaging: Code
{82}	Packaging: Mass

{85}	Customer: Name
{86}	Customer: Code
{87}	Customer: NIP
{88}	Customer: Address
{89}	Customer: Postal code
{90}	Customer: City
{91}	Customer: Discount
{100}	Weighings report: Measurements
{101}	Weighings report filter: Start date
{102}	Weighings report filter: End date
{103}	Weighings report filter: Product
{104}	Weighings report filter: Operator
{105}	Weighings report filter: Customer
{106}	Weighings report filter: Packaging
{107}	Weighings report filter: Min
{108}	Weighings report filter: Max
{109}	Weighings report filter: Lot number
{110}	Weighings report filter: Batch number
{111}	Weighings report filter: Target warehouse
{112}	Weighings report filter: Source warehouse
{113}	Weighings report filter: Result control
{114}	Weighings report filter: Weighing platform no.
{115}	Weighings report: Weighings quantity
{116}	Weighings report: Totalized weighings
{117}	Weighings report: Value
{118}	Weighings report: Gross
{119}	Weighings report: Average
{120}	Weighings report: Min
{121}	Weighings report: Max
{122}	Weighings report: Vehicle
{130}	Source warehouse: Name
{131}	Source warehouse: Code
{132}	Source warehouse: Description
{135}	Target warehouse: Name
{136}	Target warehouse: Code
{137}	Target warehouse: Description
{140}	Net weight in adjustment unit: Sum
{141}	Additional display: WD
{142}	Additional display: WWG
{143}	Hex
{144}	Hex UTF-8
{145}	Partial mass
{146}	Gross weight value in current unit
{147}	Tare in current unit
{148}	Lot number: Name
{149}	Batch number: Name
{152}	Extra variable: Name

{153}	Extra variable: Value
{155}	Density: Start date
{156}	Density: End date
{157}	Density: Method
{158}	Density: Standard liquid
{159}	Density: Density of standard liquid
{160}	Density: Temperature
{161}	Density: Sinker volume
{162}	Density
{163}	Density: Unit
{164}	Density: Sample no.
{165}	Density: Weighing 1
{166}	Density: Weighing 2
{167}	Density: Weighing 3
{168}	Density: Volume
{169}	Density: Pycnometer mass
{170}	Density: Pycnometer volume
{175}	Dosing process: Name
{176}	Dosing process: Code
{177}	Dosing process: Cycle number
{178}	Dosing process: Cycles quantity
{180}	Dosing report: Start date
{181}	Dosing report: End date
{182}	Dosing report: Result
{183}	Dosing report: Measurements quantity
{184}	Dosing report: Sum
{185}	Dosing report: Measurements
{186}	Measurements: Preset mass
{187}	Measurements: Difference
{190}	Comparator: Report no.
{191}	Comparator: Start date
{192}	Comparator: End date
{193}	Comparator: Order number
{194}	Comparator: Test weight number
{195}	Comparator: Reference weight number
{196}	Comparator: Measurements
{197}	Comparator: Mean difference
{198}	Comparator: Standard deviation
{199}	Comparator: Cycles quantity
{200}	Comparator: Method
{205}	Adjustment history: Nominal mass
{206}	Adjustment history: Weighing platform no.
{208}	Vehicle scale: Name
{209}	Vehicle: Operator
{210}	Vehicle: Name
{211}	Vehicle: Code

{212}	Vehicle: Description
{213}	Vehicle scale: Start date
{214}	Vehicle scale: End date
{215}	Vehicle scale: Entry mass
{216}	Vehicle scale: Exit mass
{217}	Vehicle scale: Load mass
{218}	Vehicle scale: Transaction type
{219}	Vehicle scale: Status
{220}	Formulation: Name
{221}	Formulation: Code
{222}	Formulation: Cycle number
{223}	Formulation: Cycles quantity
{224}	Formulation: Process progress
{225}	Formulation: Process progress in %
{226}	Formulation: Ingredient name
{227}	Formulation: Difference
{228}	Formulation: Portion
{229}	Formulation: Nominal mass
{230}	Formulation: Number of current ingredient
{231}	Formulation: Ingredients quantity
{232}	Formulation: Number of current manufacturing unit
{233}	Formulation: Manufacturing units quantity
{234}	Formulation: Status
{235}	Formulation: Min
{236}	Formulation: Max
{237}	Formulation: Ingredient code
{238}	Formulation: Current weighing number
{240}	Formulation report: Start date
{241}	Formulation report: End date
{242}	Formulation report: Result
{243}	Formulation report: Measurements quantity
{244}	Formulation report: Sum
{245}	Formulation report: Measurements
{246}	Measurements: Preset mass
{247}	Measurements: Difference
{248}	Formulation report: Ingredient code
{249}	Formulation report: Ingredient weight entered manually
{250}	Formulation report: Ingredients
{251}	Formulation report: Ingredient Name
{260}	PGC Report: Batch number
{261}	PGC Report: Start date
{262}	PGC Report: End date
{263}	PGC Report: Result

{264}	PGC Report: Batch quantity
{265}	PGC Report: Measurements quantity
{266}	PGC Report: Value of T1 error
{267}	PGC Report: Value of 2T1 error
{268}	PGC Report: T1 errors quantity
{269}	PGC Report: Permissible T1 errors quantity
{270}	PGC Report: 2T1 errors quantity
{271}	PGC Report: Sum
{272}	PGC Report: Min
{273}	PGC Report: Max
{274}	PGC Report: Mean
{275}	PGC Report: Average limit
{276}	PGC Report: Standard deviation
{277}	PGC Report: Measurements
{278}	PGC Report: Unit
{279}	PGC Report: Report no.
{280}	PGC Report: Value of T1 error [+]
{281}	PGC Report: Value of 2T1 error [+]
{282}	PGC Report: T1 errors [+] quantity
{283}	PGC Report: Permissible T1 errors [+] quantity
{284}	PGC Report: 2T1 errors [+] quantity
{285}	PGC Report: Permissible 2T1 errors quantity
{286}	PGC Report: Permissible 2T1 errors [+] quantity
{287}	PGC Report: Navigating bar
{288}	PGC Report: Qualifying T1 errors quantity
{289}	PGC Report: Tare
{290}	PGC Report: Average limit value [+]
{291}	PGC Report: Note
{292}	PGC Report: Density
{293}	Control report: D
{294}	Control report: RDV
{295}	Average Tare Report: Date
{296}	Average Tare Report: Result
{297}	Average Tare Report: Standard deviation
{298}	Average Tare Report: 0.25T1
{299}	Average Tare Report: Measurements quantity
{300}	Average Tare Report: Measurements
{301}	Average Tare Report: Report no.
{302}	Average Tare Report: Average tare
{303}	Average Tare Report: Note
{320}	Identification process: Name
{321}	Identification process: Code
{330}	Differential weighing: Start date

{331}	Differential weighing: End date
{332}	Differential weighing: Weighings quantity
{333}	Differential weighing: Measurements
{334}	Differential weighing: Measurement
{340}	Extra variable: Name
{341}	Extra variable: Value
{342}	Extra variable: Code
{353}	IP Address
{354}	Code page
{355}	Day-of-year
{356}	Packaging quantity
{357}	Mass to be dosed
{359}	Working mode
{370}	Transaction report: Name
{371}	Transaction report: Start date
{372}	Transaction report: End date
{373}	Transaction report: Type
{374}	Transaction report: Measurements quantity
{375}	Transaction report: Sum
{376}	Transaction report: Measurements
{377}	Transaction report: Operator starting transaction
{378}	Transaction report: Operator finishing transaction
{384}	Transaction: Name
{385}	Transaction: Start date
{386}	Transaction: End date
{387}	Transaction: Type
{388}	Transaction: Measurements quantity
{389}	Transaction: Sum
{390}	Transaction: Product Measurements quantity
{391}	Transaction: Product Sum
{392}	Transaction: Sum Threshold
{398}	Weighing
{475}	Value minus weight loss
{476}	C value minus weight loss
{477}	CC value minus weight loss
{478}	Statistics: Sum minus weight loss
{479}	CC Statistics: Sum minus weight loss

PUE 5	
Code	Description
{2}	Date
{3}	Time

{4}	Date and time
{6}	Net weight in current measuring unit
{7}	Net weight in adjustment unit
{8}	Gross weight
{9}	Tare
{10}	Current unit
{11}	Adjustment unit
{12}	Min threshold
{13}	Max threshold
{14}	Lot number
{15}	C Statistics: Number
{16}	C Statistics: Sum
{17}	C Statistics: Mean
{18}	C Statistics: Minimum
{19}	C Statistics: Maximum
{20}	CC Statistics: Number
{21}	CC Statistics: Sum
{22}	CC Statistics: Mean
{23}	CC Statistics: Minimum
{24}	CC Statistics: Maximum
{25}	Hex
{26}	HexToUTF8
{27}	Net value
{28}	C value
{29}	CC value
{30}	Gross
{31}	Weighing platform no.
{35}	Parts counting: Reference mass in adjustment unit
{48}	Product: Temperature
{49}	Product: Description
{50}	Product: Name
{51}	Product: Code
{52}	Product: EAN code
{53}	Product: Mass
{54}	Product: Tare
{55}	Product: Unit price
{56}	Product: Minimum
{57}	Product: Maximum
{59}	Product: Shelf-life time in days
{60}	Product: VAT
{61}	Product: Date
{62}	Product: Expiry date
{63}	Product: Unit
{64}	Product: Ingredients and other additional fields of a label
{65}	Customer: Name
{66}	Customer: Code
{67}	Customer: TIN

{68}	Customer: Address
{69}	Customer: Postal code
{70}	Customer: City
{71}	Customer: Discount
{75}	Operator: Name
{76}	Operator: Code
{77}	Operator: Permissions
{80}	Packaging: Name
{81}	Packaging: Code
{82}	Packaging: Mass
{85}	Source warehouse: Name
{86}	Source warehouse: Code
{87}	Source warehouse: Description
{90}	Target warehouse: Name
{91}	Target warehouse: Code
{92}	Target warehouse: Description
{300}	2 batch number
{301}	Entered quantity
{302}	Weighing number
VN	Indexed product name
VV	Indexed product mass

11. APPENDIX B – VARIABLES FORMATTING

You can format numeric, text and date variables supported by PUE 7.1, PUE HY 10, PUE 5 indicators.

Formatting types:

- variables with left justification,
- variables with right justification,
- determining quantity of characters for printing / displaying,
- determining quantity of decimal places for numerical variables,
- converting the format of date and hour,
- converting numerical variables into EAN13 code
- converting numerical variables and date into EAN128 code

Special formatting characters:

Character	Description	Example
,	Sign separating variables for formatting	{7,10} - Net weight in adjustment unit with constant length of 10 characters, with right justification
-	Minus sign or left justification	{7,-10} - Net mass in adjustment unit with constant length of 10 characters, with left justification
:	Sign proceeding formatting or time separator (i.e. hours, minutes and seconds)	{7:0.000} - Net mass in adjustment unit always with three decimal places; {3:hh:mm:ss} – Current time in format: hour : minute : second.
.	First detected dot in a digit is recognized as separator of integer and decimal parts. Each following dot is ignored.	{55:0.00} – Product's unit price always with two decimal places; {17:0.0000} – Measurements average, always with four decimal places;
F	Sign formatting digits to a chain of sign in format “-ddd.ddd...” (where: d stands for a single digit, minus is for digits with negative value only) or determining number of decimal places	{7:F2} - Net mass in adjustment unit always with two decimal places; {7,9:F2} - Net mass in adjustment unit always with two decimal places and fixed length of 9 characters with right justification;
V	Formatting mass and quantities derivatives of mass in EAN13 code	{7:V6.3} - Net mass in a form of EAN13 code (6-character code) with three decimal places
T	Formatting mass and quantities derivatives of mass in EAN128 code	{7:T6.3} - Net mass in a form of EAN128 code with three decimal places;
/	Date separator between days, months and years	{2:yy/MM/dd} - Current date in format: year - month - day, where yy stand for two less meaningful characters of a year;
\	Sign “escape” deleting a formatting function from the following sign, so that it is recognized as text	{2:yy\MM\dd} – Current date in format: year / month / day. {2:yy\MM\dd} - Current date in format: year : month : day. Should „\” be used in literal meaning, insert \;

Application list of formatted variables:

CODE	DESCRIPTION
{2:yyyy/MM/dd}	Present date format: year - month - day
{2:yyyy}:MM:dd}	Present date format: year: month : day
{2:yyyy\MM\dd}	Present date format: year / month / day
{2:yyyy\MM\dd}	Present date format: year \ month \ day
{2:dd/MM/yyyy}	Present date format: year - month - day
{2:dd:MM:yyyy}	Present date format: day : month : year

{2:ddVMMVyyyy}	Present date format: day / month / year
{2:yyyy\MM\dd}	Present date format: year \ month \ day
{2:yyMMdd}	Date in EAN 128 code
{6:V6.0}	Net mass in current measuring unit in EAN 13 code (6-digit product code, ¹ and 5- digit mass, 0 decimal places)
{6:V6.1}	Net mass in current measuring unit in EAN 13 code (6- digit product code ¹ and 5- digit mass, 1 decimal place)
{6:V6.2}	Net mass in current measuring unit in EAN 13 code (6- digit product code ¹ and 5- digit mass, 2 decimal places)
{6:V6.3}	Net mass in current measuring unit in EAN 13 code (6- digit product code ¹ and 5- digit mass, 3 decimal places)
{6:V7.0}	Net mass in current measuring unit in EAN 13 code (7- digit product code, ¹ and 5- digit mass, 0 decimal places)
{6:V7.1}	Net mass in current measuring unit in EAN 13 code (7- digit product code ¹ and 5- digit mass, 1 decimal place)
{6:V7.2}	Net mass in current measuring unit in EAN 13 code (7- digit product code ¹ and 5- digit mass2 decimal places)
{6:V7.3}	Net mass in current measuring unit in EAN 13 code (7- digit product code ¹ and 5- digit mass, 3 decimal places)
{6:T6.0}	Net mass in current measuring unit in EAN 128 code (5- digit mass, 0 decimal places)
{6:T6.1}	Net mass in current measuring unit in EAN 128 code (5- digit mass, 1 decimal place)
{6:T6.2}	Net mass in current measuring unit in EAN 128 code (5- digit mass, 2 decimal places)
{6:T6.3}	Net mass in current measuring unit in EAN 128 code (5- digit mass, 3 decimal places)
{7:V6.0}	Net mass in adjustment unit in EAN 13 code (6- digit product code ¹ and 5- digit mass, 0 decimal places)
{7:V6.1}	Net mass in adjustment unit in EAN 13 code (6- digit product code ¹ and 5- digit mass, 1 decimal place)
{7:V6.2}	Net mass in adjustment unit in EAN 13 code (6- digit product code ¹ and 5- digit mass, 2 decimal places)
{7:V6.3}	Net mass in adjustment unit in EAN 13 code (6- digit product code ¹ and 5- digit mass, 3 decimal places)
{7:V7.0}	Net mass in adjustment unit in EAN 13 code (7- digit product code ¹ and 5- digit mass, 0 decimal places)
{7:V7.1}	Net mass in adjustment unit in EAN 13 code (7- digit product code ¹ and 5- digit mass, 1 decimal place)
{7:V7.2}	Net mass in adjustment unit in EAN 13 code (7-digit product code ¹ and 5- digit mass, 2 decimal places)
{7:V7.3}	Net mass in adjustment unit in EAN 13 code (7-digit product code ¹ and 5- digit mass, 3 decimal places)
{7:T6.0}	Net mass in adjustment unit in EAN 128 code (5-digit mass, 0 decimal places)
{7:T6.1}	Net mass in adjustment unit in EAN 128 code (5-digit mass, 1 decimal place)
{7:T6.2}	Net mass in adjustment unit in EAN 128 code (5-digit mass, 2 decimal

	places)
{7:T6.3}	Net mass in adjustment unit in EAN 128 code (5-digit mass, 3 decimal places)
{8:T6.0}	Gross mass in EAN 128 code (5-digit mass, 0 decimal places)
{8:T6.1}	Gross mass in EAN 128 code (5-digit mass, 1 decimal place)
{8:T6.2}	Gross mass in EAN 128 code (5-digit mass, 2 decimal places)
{8:T6.3}	Gross mass in EAN 128 code (5-digit mass, 3 decimal places)
{16:V6.0}	C net mass in EAN 13 code (6-digit product code ¹) and 5-digit mass, 0 decimal places)
{16:V6.1}	C net mass in EAN 13 code (6-digit product code ¹) and 5-digit mass, 1 decimal place)
{16:V6.2}	C net mass in EAN 13 code (6-digit product code ¹) and 5-digit mass, 2 decimal places)
{16:V6.3}	C net mass in EAN 13 code (6-digit product code ¹) and 5-digit mass, 3 decimal places)
{16:V7.0}	C net mass in EAN 13 code (7-digit product code ¹) and 5-digit mass, 0 decimal places)
{16:V7.1}	C net mass in EAN 13 code (7-digit product code ¹) and 5-digit mass, 1 decimal place)
{16:V7.2}	C net mass in EAN 13 code (7-digit product code ¹) and 5-digit mass, 2 decimal places)
{16:V7.3}	C net mass in EAN 13 code (7-digit product code ¹) and 5-digit mass, 3 decimal places)
{16:T6.0}	C net mass in EAN 128 code (5-digit mass, 0 decimal places)
{16:T6.1}	C net mass in EAN 128 code (5-digit mass, 1 decimal place)
{16:T6.2}	C net mass in EAN 128 code (5-digit mass, 2 decimal places)
{16:T6.3}	C net mass in EAN 128 code (5-digit mass, 3 decimal places)
{21:V6.0}	CC net mass in EAN 13 code (6-digit product code ¹) and 5-digit mass, 0 decimal places)
{21:V6.1}	CC net mass in EAN 13 code (6-digit product code ¹) and 5-digit mass, 1 decimal place)
{21:V6.2}	CC net mass in EAN 13 code (6-digit product code ¹) and 5-digit mass, 2 decimal places)
{21:V6.3}	CC net mass in EAN 13 code (6-digit product code ¹) and 5-digit mass, 3 decimal places)
{21:V7.0}	CC net mass in EAN 13 code (7-digit product code ¹) and 5-digit mass, 0 decimal places)
{21:V7.1}	CC net mass in EAN 13 code (7-digit product code ¹) and 5-digit mass, 1 decimal place)
{21:V7.2}	CC net mass in EAN 13 code (7-digit product code ¹) and 5-digit mass, 2 decimal places)
{21:V7.3}	CC net mass in EAN 13 code (7-digit product code ¹) and 5-digit mass, 3 decimal places)
{21:T6.0}	CC net mass in EAN 128 code (5-digit mass, 0 decimal places)
{21:T6.1}	CC net mass in EAN 128 code (5-digit mass, 1 decimal place)
{21:T6.2}	CC net mass in EAN 128 code (5-digit mass, 2 decimal places)
{21:T6.3}	CC net mass in EAN 128 code (5-digit mass, 3 decimal places)
{25:T6.0} ²⁾	Net mass (lb) in EAN 128 code (5-digit mass, 0 decimal places)
{25:T6.1} ²⁾	Net mass (lb) in EAN 128 code (5-digit mass, 1 decimal place)
{25:T6.2} ²⁾	Net mass (lb) in EAN 128 code (5-digit mass, 2 decimal places)

{25:T6.3} ²⁾	Net mass (lb) in EAN 128 code (5-digit mass, 3 decimal places)
{27:V6.2}	Net value in EAN 13 code (6-digit product code ¹⁾ and 5-digit value, 2 decimal places)
{27:V7.2}	Net value in EAN 13 code (7-digit product code ¹⁾ and 5-digit value, 2 decimal places)
{28:V6.2}	C net value in EAN 13 code (6-digit product code ¹⁾ and 5-digit value, 2 decimal places)
{28:V7.2}	C net value in EAN 13 code (7-digit product code ¹⁾ and 5-digit value, 2 decimal places)
{29:V6.2}	CC net value in EAN 13 code (6-digit product code ⁰¹⁾ and 5-digit value, 2 decimal places)
{29:V7.2}	CC net value in EAN 13 code (7-digit product code ¹⁾ and 5-digit value, 2 decimal places)
{55:T6.2}	Product price in EAN 128 code (5-digit value, 2 decimal places)
{61:yyMMdd}	Product date in EAN 128 code
{62:yyMMdd}	Product expiry date in EAN 18 code
{64:L}	Product: Ingredients-> line n
{10#T} ³⁾	Current measuring unit of a product n (n=1,2,.....20)
{15#T} ³⁾	C Statistics: Product weighings quantity n (n=1,2,.....20)
{15#TO} ³⁾	C Statistics: Product packaging quantity n (n=1,2,.....20)
{16#T} ³⁾	C Statistics: Product total mass n (n=1,2,.....20)
{16#TO} ³⁾	C Statistics: Total product mass n (n=1,2,.....20)
{17#T} ³⁾	C Statistics: Average product mass n (n=1,2,.....20)
{18#T} ³⁾	C Statistics: Minimum product mass n (n=1,2,.....20)
{19#T} ³⁾	C Statistics: Maximum product mass n (n=1,2,.....20)
{20#T} ³⁾	CC Statistics: Product weighings quantity n (n=1,2,.....20)
{21#T} ³⁾	CC Statistics: Product total mass n (n=1,2,.....20)
{22#T} ³⁾	CC Statistics: Average product mass n (n=1,2,.....20)
{23#T} ³⁾	CC Statistics: Minimum product mass n (n=1,2,.....20)
{24#T} ³⁾	CC Statistics: Maximum product mass n (n=1,2,.....20)
{49#T} ³⁾	Product: Product description n (n=1,2,.....20)
{50#T} ³⁾	Product: Product name n (n=1,2,.....20)
{51#T} ³⁾	Product: Product code n (n=1,2,.....20)
{52#T} ³⁾	Product: EAN product code n (n=1,2,.....20)
{53#T} ³⁾	Product: Product mass n (n=1,2,.....20)
{54#T} ³⁾	Product: Product tare n (n=1,2,.....20)
{55#T} ³⁾	Product: Product unit price n (n=1,2,.....20)
{56#T} ³⁾	Product: Product minimum n (n=1,2,.....20)
{57#T} ³⁾	Product: Product maximum n (n=1,2,.....20)
{59#T} ³⁾	Product: Product shelf life in days n (n=1,2,.....20)
{60#T} ³⁾	Product: Product VAT n (n=1,2,.....20)

- 1) – Required digits quantity
- 2) – Variables not supported by PUE 5 indicators,
- 3) – Variables not supported by PUE 7.1, PUE HY 10 indicators.

12. APPENDIX C – LIST OF BARCODES

The following tables contain list of available barcodes depending on the declared printer:

CITIZEN Printer		
No.	Code 1D	Code 2D
1	Code 3 of 9	UPS MaxiCode
2	UPC-A	PDF417
3	UPC-E	DataMatrix
4	Interleaved 2 of 5	
5	Interleaved 2 of 5 Check Digit	
6	Code 128 A	
7	Code 128 B	
8	Code 128 C	
9	GS1-128	
10	EAN-13 (JAN-13)	
11	EAN-8 (JAN-8)	
12	HIBC	
13	CODEBAR (NW-7)	
14	Int 2 of 5	
15	Plessey	
16	UPC 2DIG ADD	
17	UPC 5DIG ADD	
18	Code 93	
19	UCC/EAN128	
20	UCC/EAN128 for K-MART	
21	UCC/EAN128 Random Weight	

ZEBRA ZPL-II V2 Printer		
No.	Code 1D	Code 2D
1	Interleaved 2 of 5	Code 49
2	Interleaved 2 of 5 Check Digit	PDF417
3	Code 39	CODABLOCK
4	EAN-8	UPS MaxiCode
5	UPC-E	Micro-PDF417
6	Code 93	QR Code
7	Code 128 A	Data Matrix
8	Code 128 B	GS1 Databar Omnidirectional

9	Code 128 C	GS1 Databar Truncated
10	GS1 128	GS1 Databar Stacked
11	EAN-13	GS1 Databar Stacked Omnidirectional
12	Standard 2 of 5	GS1 Databar Limited
13	UPC-A	GS1 Databar Expanded

ZEBRA EPL-II Printer		
No.	Code 1D	Code 2D
1	Code 39 std. or Extended	DataMatrix
2	Code 39 with. or checkdigit	MaxiCode
3	Code 93	PDF417
4	Code 128 UCC	
5	Code 128 auto A, B, C modes	
6	Code 128 mode A	
7	Code 128 mode B	
8	Code 128 mode C	
9	Code 128 with Deutsche Post check digit	
10	Codebar	
11	EAN8	
12	EAN13	
13	Interleaved 2 of 5	
14	UCC/EAN 128	
15	UPC A	
16	UPC A 2 digit add-on	
17	UPC A 5 digit add-on	
18	UPC E	
19	UPC E 2 digit add-on	
20	UPC E 5 digit add-on	

13. APPENDIX D - CODE PAGES

The following table contains code pages that depend on interface language:

Code page	Code page no.	Language
E1 – ISO 8859/1: Latin 1	1252	Spanish
PM – PC-850 Multilingual	850	Western Europe

PE – PC-852 Latina 2	852	Eastern Europe
PC – PC-8 Code Page 437	437	English, German
WE – Windows 3.1 Latin 2	1250	Polish, German, French, Czech, Hungarian, Italian
E7 – ISO 8859/7 Latin/Greek	1253	Greek
WR - Cyrillic	1251	Russian
WL – Windows-1257	1257	Latvian, Estonian

14. APPENDIX E – HIGHLIGHTED ALLERGENS

Scales equipped with PUE 7, PUE HY indicator provide two different options for generating allergens that are to be highlighted on a list of ingredients for a particular product. The allergens are to be generated on a label using:

- 'Ingredients' field in product record (indirect method),
- 'Text' field in label project (direct method).

Depending on the language used when creating a label template (highlighted allergens), the computer software features the following implemented fonts:

Font name	Font type	Language
DE_b_850	Bold	German
DE_p_850	Underlined	
ES_b_850	Bold	Spanish
ES_p_850	Underlined	
FR_b_850	Bold	French
FR_p_850	Underlined	
PL_b_850	Bold	Polish
PL_p_850	Underlined	
PL_i_850	Italics	

The software, depending on selected language, supports the following variables for highlighted allergens:

Variable	Language
{360} - Printer: Highlighted signs [pl]	Polish
{361} - Printer: Diacritical signs [pl]	

{363} - Printer: Highlighted signs [de]	German
{365} - Printer: Diacritical signs [de]	
{366} - Printer: Highlighted signs [es]	Spanish
{367} - Printer: Diacritical signs [es]	
{368} - Printer: Highlighted signs [fr]	French
{369} - Printer: Diacritical signs [fr]	
{362} - Printer: Highlighting end	-

Caution:

- *Procedures for creating, sending and printing the label templates do not change.*
- *Printout of highlighted allergens is not supported by ZEBRA EPL-II printer.*

14.1. Highlighted Allergens - Indirect Method

1. Edit „Ingredients” submenu of a particular product record on the scale,
2. Using variables for highlighted allergens enter ingredients that are specified for a particular product.

Example:

{361}Ingredient 1, ingredient 2, ingredient 3, ingredient 4, ingredient 5,{362}
 {361}Ingredient 6, {362}{360}allergen 1{362}{361}, ingredient 7,{362}
 {360}allergen 2{362}{361}, ingredient 8, Ingredient 9, {362}{361}allergen 3{362}
 {360}, ingredient 10, ingredient 11{362}

Where:

{360} - Printer: Highlighted signs [pl]
 {361} - Printer: Diacritical signs [pl]
 {362} - Printer: Highlighting end

Caution:

In accordance with the above example, variables are to be used when:

- *Changing diacritical signs to highlighted ones and vice versa,*
 - *Ending each line of product ingredient list.*
3. When designing label, create „Variable” field, using “PI_b_850” font (bold) or “PI_p_850” font (underlined) and the following variables:

{64:L1}
{64:L2}
{64:L3}
{64:L4}

Where:

{64} Product: Ingredients
L – line number

Caution:

In order to use „PI_b_850“, „PI_p_850“ fonts it is necessary to record them into printer storage (see section 10.3.1 of this manual).

14.2. Highlighted Allergens - Direct Method

1. Create 'Text' field by declaring „PI_b_850” (bold) font or „PI_p_850” (underlined) in 'Text field settings',

Caution:

In order to use „PI_b_850“, „PI_p_850“ fonts it is necessary to record them into printer storage (see section 4.3.5.2 of this manual).

2. In a text field enter respective product ingredients by pressing **B**, **U** buttons that enable respective functions (depending on declared font).

Caution:

For Zebra printer it is recommended to use Graphic text for highlighting allergens (refer to section 9.2 of this user manual).

15. APPENDIX F – EAN 13 CODE

EAN 13 code contains two parts and optional control sum. Barcode content and decimal places quantity is determined using V formatter.

The first section contains 6 or 7 product code characters. First V formatter character specifies the quantity:


- V6.0 – 6-digit product code
- V7.0 – 7-digit product code

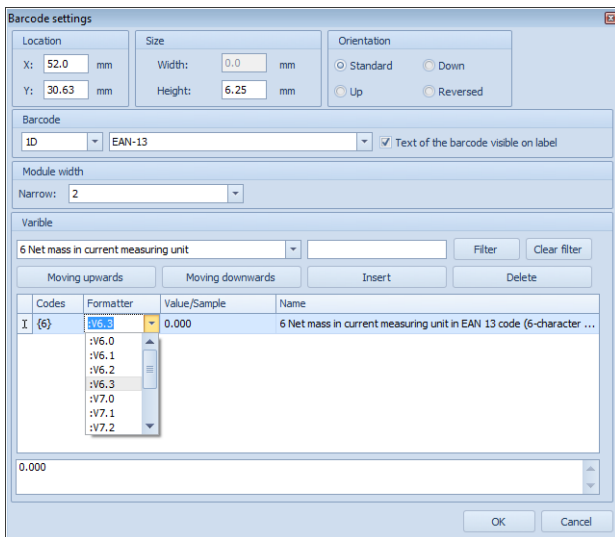
The second part contains 5 mass or value digits. Mass can feature maximum 3 decimal places, and value - 2 decimal places. The last digit of the V formatter determines the above:

- V6.0 – 0 decimal places,
- V6.1 – 1 decimal place,
- V6.2 – 2 decimal places,
- V6.3 – 3 decimal places.

Example:

To create EAN13 6-digit product barcode and 5-digit net mass in current unit with 3 decimal places:

1. Select  **Barcode**> parameter in the objects menu,
2. Click on the label's workspace, **<Barcode settings>** window is opened:



The dialog box 'Barcode settings' contains the following sections:

- Location:** X: 52.0 mm, Y: 30.63 mm
- Size:** Width: 0.0 mm, Height: 6.25 mm
- Orientation:** Standard (selected), Down, Up, Reversed
- Barcode:** ID: ID, EAN-13, Text of the barcode visible on label: checked
- Module width:** Narrow: 2
- Variable:** 6 Net mass in current measuring unit
- Buttons:** Moving upwards, Moving downwards, Insert, Delete
- Table:**

Codes	Formatter	Value/Sample	Name
I {6}	V6.3	0.000	6 Net mass in current measuring unit in EAN 13 code (6-character ...
- Value field:** 0.000
- Buttons:** OK, Cancel

Where:

- In „**Barcode**” submenu select 1D and EAN-13,
 - In „**Variable**” submenu select **6 Net mass in current unit** and press insert button,
 - In formatter column select: **V6.3**,
3. Press **OK** button to confirm. Barcode is automatically displayed on the label.

Caution:

In 'Variable' submenu there is no need to add 51 Product: Code variable, product code is entered automatically.



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