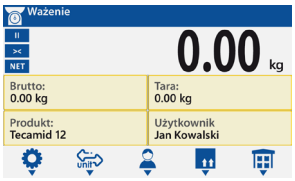
PUE HX7 Terminal

Quality and precision in unfavourable working conditions
Adaptation to the requirements of a production process

PUE HX7

Bar graph is a graphic visualisation informing on current mass

The housing ensures high ingress protection, IP66/IP68



Terminal home screen

Easy access to communication interfaces

Functions

- Parts counting
- Percent weighing
- Alibi memory
- Databases
- Formulations
- Dosing
- In-built battery
- Replaceable units
- Multilingual menu

Features

Housing
Housing made of AISI 304 stainless steel ensures high ingress protection, IP66 / IP68. The terminal features 7" colour LCD display and membrane keyboard. Ease of operation, clear menu and intuitive information arrangement on the display guarantee comfort of operation. Hermetic interfaces connectors are located on the back side of the housing. Stable mount bracket enables mounting the terminal either on any flat horizontal surface or on the wall where its inclination angle can be easily adjusted.

Weighing Platforms Operation
Basic version of the terminal supports analog weighing platform. The possibility to install an additional weighing module enables to support two weighing platforms.

Diodes
Diode bar graph takes top part of the operation panel, it consists of 9 red and green diode fields. Bar graph is a graphic visualisation informing on current net weight of a product in comparison with the scale range. The terminal features 3 working modes: ‚linear', ‚weighing thresholds signalling' and ‚checkweighing'. The bar graph significantly increases the comfort of terminal operation during piecework in food industry when fast and unambiguous presentation of product mass deviation in comparison with the declared min and max values is crucial.

Multifunctional Software
Terminal software allows carrying out processes such as weighing, parts counting, dosing, and percent weighing.

Terminal's system of information is based on databases (such as: users, products, weighings, packaging, formulations, customers) and ALIBI memory which guarantees stored data safety. When creating the software a great emphasis was placed on its functionality and ergonomics. This resulted in increased comfort of terminal operation.

Battery as an Optional Power Source
Use of the optional battery enables the PUE HX7 terminal to operate even when there is either no or unstable power supply. This improves the security of acquired data and improves comfort of operation.

Communication Interfaces
The terminal is equipped with RS 322, RS 485, USB, Ethernet, digital inputs/outputs and analog output. This enables cooperation with external devices: barcode scanners, printers, external displays, control buttons, light signalling towers, other controlling/signalling devices, systems for automatic process control and superior IT systems.

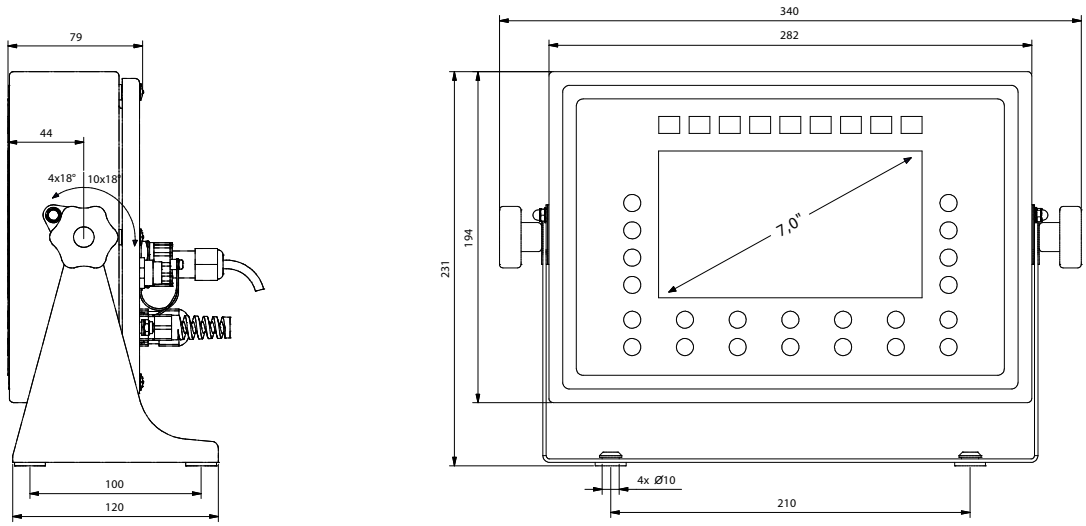
It is possible due to the implemented complex character-based communication protocol.

Technical Specifications

	PUE HX7
Maximum quantity of verification units [e]	6000*
OIML class	III*
Maximum signal gain	19.5 mV
Maximum voltage per verification unit	3.25 µV*
Minimum voltage per verification unit	0.4 µV*
Minimum load cells impedance	50 Ω
Maximum load cells impedance	1200 Ω
Supply voltage of load cell	5V DC
Connection of load cells	4 or 6 wires + shield
Standard quantity of weighing platforms	1
Optional quantity of weighing platforms**	Max 2 (1 × standard + 1 × optional)
Multi range option	YES
Housing	AISI304 stainless steel
Ingress protection - indicator	IP 66 / IP 68
Display	7" graphic display
Keypad	membrane
RS 232	1
USB	1
Ethernet	10 / 100 Mbit
IN/OUT	4 × IN, 4 × OUT
RS 232**	2
RS 485**	1
USB**	1 (M12 4 PIN connector)
IN/OUT**	12 × IN, 12 × OUT
PROFINET SLAVE**	1 × socket RJ45
EtherNet/IP**	1 × socket RJ45
Analog output**	4-20mA or 0-10V
Power supply	100 ÷ 240V AC 50/60Hz
Battery power supply**	Internal battery, 7h of continuous operation
Power consumption	25 W
Operating temperature	–10 ÷ +40 °C
Relative humidity***	10 ÷ 80%
Transport and storage temperature	–10 ÷ +50 °C
Overall dimensions	340 × 231 × 120 mm
Net weight	4.7 kg
Gross weight	5.5 kg
Packaging dimensions	37 × 31 × 22 cm

* indicator during value release
** optional version
*** non-condensing conditions

Dimensions



Accessories

Peripheral Devices
- Epson dot matrix printer
- receipt printer
- labeller
- WWG-2/4 large-size display
- LCD – WD-4/3 display (backlit)
- stack light
- control buttons
- transponder card scanner
- barcode scanner

Weighing Platforms
- 1-load cell platforms
- 4-load cell platforms

Cables, Converters
- PT0019 2m cable (5, 10m optionally) – for Citizen and Epson printers
- PT0022 2m cable (5, 10m optionally) – for ZEBRA printers (later models)
- PT0232 2m cable (5, 10m optionally) – for ZEBRA (older models), INTERMEC and ELTRON printers
- PT0020 2m cable (5, 10m optionally) – for computer
- PT0087 cable (M12 4P) 1.7m – for USB printer
- PT0238 1.7m cable – for printer (A-B)
- PT0084 (M12 4P) 1.7m cable – for USB adapter
- PT0383 2m cable (5, 10m optionally) – for RS485
- PT0256 2m cable (5, 10m optionally) – for IN/OUT

Dedicated Software

R-LAB
- collecting measurements
- carrying out statistical analysis of measurements
- customized graphs and reports

E2R Weighing Records
- complete, automated databases synchronization
- fully supported processes of labelling and parts counting
- record of weighings, weighings archiving
- basic and advanced (with graphs) reports

Label Editor R02
- designing label templates
- sending graphics and fonts to label printers
- printing label templates using connected printers

RAD KEY
- Establishing cooperation between a weighing instrument and a computer

R.Barcode
- The basic function software is presentation of the data sent by barcode scanners connected to PC via USB or RS232

LabView Driver
- operation of RADWAG balances in LabView environment

Radwag Development Studio
- presentation of functions (and subfunctions) of communication protocol (Common Communication Protocol)
- possibility of connection with weighing equipment on which each function is carried out,
- library with mass control, contained within the development environment
- complete documentation of the communication protocol
- set of user manuals for different solutions addressed for programmers employed in companies using RADWAG-manufactured weighing equipment

RADWAG Connect
- establishing communication with all balances, scales and weighing modules using Common Communication Protocol
- communication via local network,
- support of basic functions
- auto searching for devices
- connecting with few devices simultaneously, swapping between them
- clear list of connected platforms
- record of measurements in the program,
- export of carried out measurements to CSV file,
- work performed using freely selected device with Windows 10 operating system