

# PUE HX7 Terminal

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



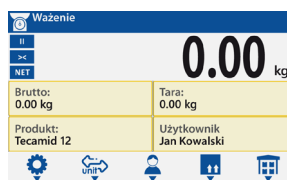
PUE HX7



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

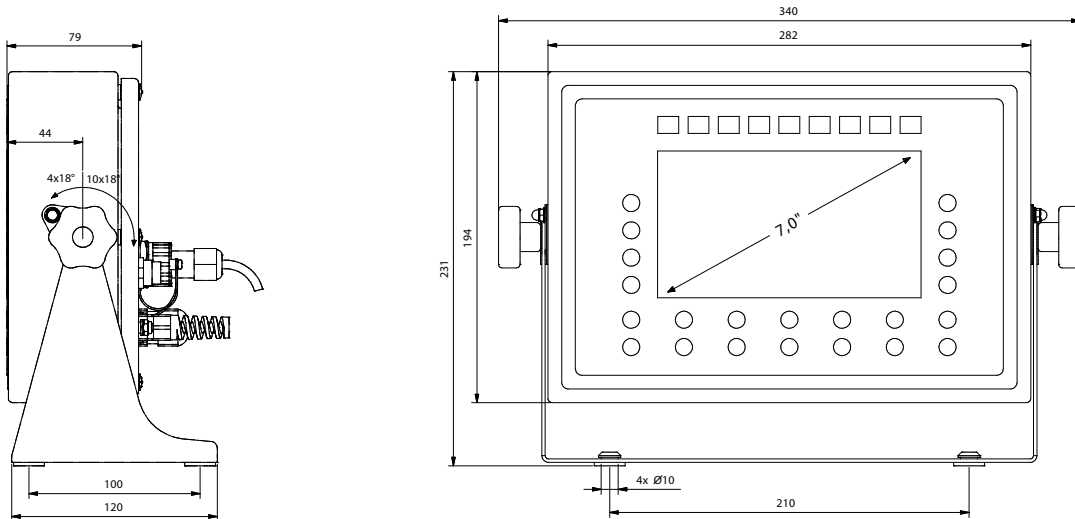
|  | <b>PUE HX7</b>                                    |
|--|---|
| Maximum quantity of verification units [e] | 6000*   |
| OIML class                                 | III*  |
| Maximum signal gain                        | 19.5 mV   |
| Maximum voltage per verification unit      | 3.25 $\mu$ V*                                     |
| Minimum voltage per verification unit      | 0.4 $\mu$ V*                                      |
| Minimum load cells impedance               | 50 $\Omega$                                       |
| Maximum load cells impedance               | 1200 $\Omega$                                     |
| 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 $\times$ standard + 1 $\times$ 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 $\times$ IN, 4 $\times$ OUT                     |
| RS 232**                                   | 1   |
| RS 485**                                   | 1   |
| USB**                                      | 1   |
| IN/OUT**                                   | 12 $\times$ IN, 12 $\times$ OUT                   |
| Analog output**                            | 4-20mA or 0-10V                                   |
| Power supply                               | 100 $\div$ 240V AC 50/60Hz                        |
| Battery power supply**                     | Internal battery, 7h of continuous operation      |
| Power consumption                          | 25 W  |
| Operating temperature                      | -10 $\div$ +40 $^{\circ}$ C                       |
| Relative humidity***                       | 10 $\div$ 80%                                     |
| Transport and storage temperature          | -10 $\div$ +50 $^{\circ}$ C                       |
| Overall dimensions                         | 340 $\times$ 231 $\times$ 120 mm                  |
| Net weight                                 | 4.7 kg  |
| Gross weight                               | 5.5 kg  |
| Packaging dimensions                       | 37 $\times$ 31 $\times$ 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