PUE HY10 Indicator

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

PUE HY10

Creating labels for each process carried out via the indicator

Products database with images assigned to each product

Capacitive touch screen

Hermetic and stainless steel housing

Functions

- Parts counting
- Percent weighing
- Statistical quality control
- Peak hold
- Smart select
- Dosing
- Statistics
- Density determination
- Totalizing
- Alibi memory
- Checkweighing
- Animal weighing
- Labelling
- Pre-packaged goods control
- Replaceable units
- Formulations
- Differential weighing
- Transactions
- GLP procedures
- Multilingual menu

Features

Display Customization
The display of PUE HY10 indicator can be customized and suited to the specific requirements of each production process.

Production Process Wizard
‚Workflow' function enables determining the course of the weighing process. It guides the operator so that all steps of the process are carried out.

Remote Configuration
An innovative solution of remote configuration enables managing the settings of PUE HY10 indicator from anywhere in the world. Connection with the indicator is established via internet and‚Parameters Editor' computer software.

Applications that Meet Industry Requirements
The software of PUE HY10 indicator enables to use it in most industrial operations such as: labelling, dosing, parts counting, formulations, pre-packaged goods control (PGC), statistical quality control.

Reliability and Hygiene in Challenging Conditions
Stainless steel construction and high ingress protection of IP68/69 enable indicator operation in challenging industrial conditions and provide high hygiene standards required in food and pharmaceutical industry.

Management of the Multi-Platform Systems
The PUE HY10 indicator can be developed to operate 6 weighing platforms (load cell and electromagnetic). The indicator can also be integrated with laboratory balances and weighing modules.

Uncomplicated Databases Archiving
An extensive database of PUE HY10 indicator enables archiving work results and periodic reports, data exchange between indicators and information import and export.

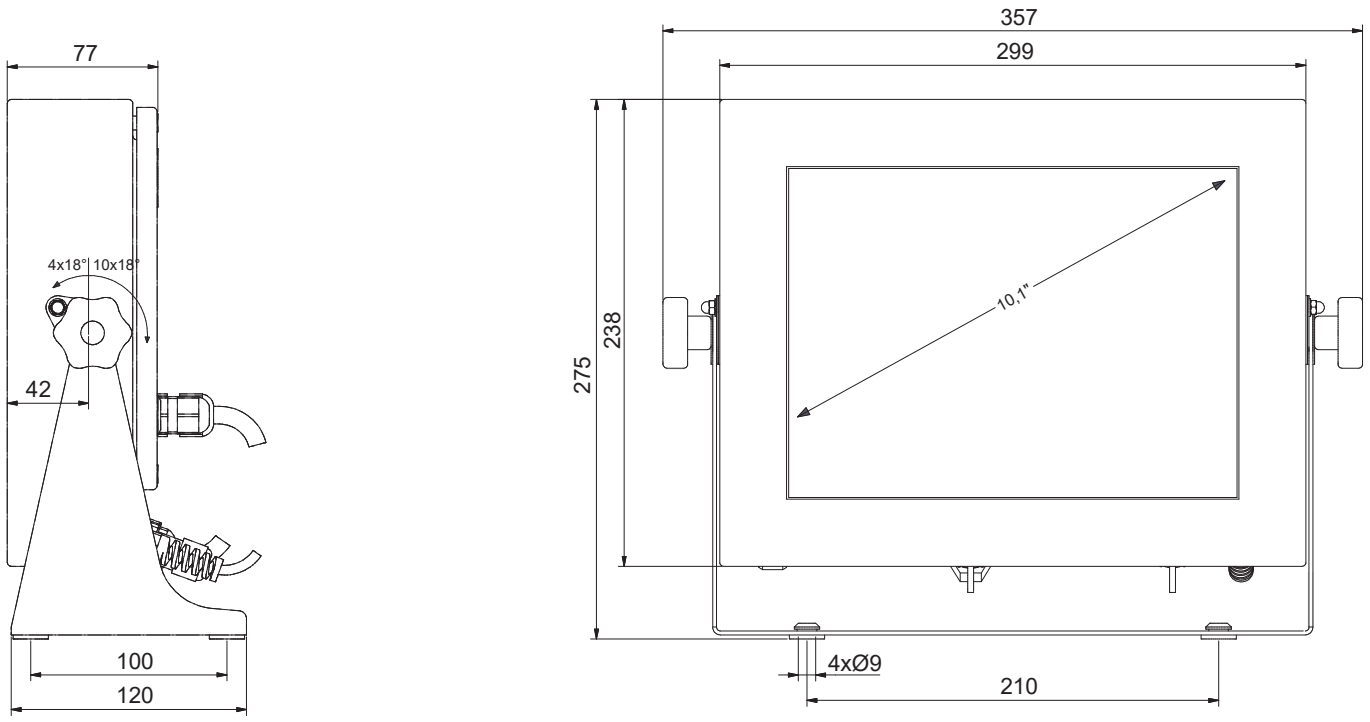
Technical Specifications

	PUE HY10
Maximum quantity of verification units [e]	6000
OIML class	II lub 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
Load cells wiring	4 or 6 wires + shield
Standard quantity of weighing platforms	1
Optional quantity of weighing platforms*	Maximum 4 (2 × internal weighing module + 4 × external weighing module)
Multi range	YES
Housing	AISI304 stainless steel
Ingress protection - indicator	IP 68 (1h max)/69
Display	10.1" colour widescreen 1024×600 with capacitive touchscreen
Keyboard	on-screen
Processor	quad-core 64-bit Cortex-A53 1,2 GHz
RAM	RAM 1GB LPDDR2
Memory	16 GB (micro SD)
System	Linux
RS 232	2
USB	1 × typ A, 1 × MR 4 PIN
Ethernet	10 / 100 Mbit
IN/OUT	4 × IN, 4 × OUT for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)
Operated protocol	Modbus RTU
RS 485*	1
PROFIBUS Module*	DP SLAVE
PROFINET Module*	1 × type RJ45
AN module*	4-20mA, 0-20mA current loop; 0-10V voltage loop
12IN module*	12I / 12O - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)
Wi-Fi® *	YES (external antenna) 802.11 b/g/n
Module of an additional A/D DP4 converter*	1
Power supply	100 ÷ 240V AC 50÷60Hz
Power consumption	21 W
Operating temperature	–10 ÷ +40 °C
Relative humidity **	10 ÷ 80%
Transport and storage temperature	–10 ÷ +50 °C
Overall dimensions	357 × 275 × 120 mm
Net weight	5.7 kg
Gross weight	7 kg
Packaging dimensions	420 × 350 × 230 mm

* optional version
** non-condensing conditions

Wi-Fi® is a registered trademark of Wi-Fi® Alliance.

Dimensions



Accessories

Peripheral Devices
- Epson dot matrix printer
- Zebra labellers
- 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
- high resolution platforms

Cables, Converters
- PT0019 cable – (scale – Epson printer)
- USB – PT0087 cable (Epson printer)
- PT0022 – cable (scale - Zebra printer)
- PT0020 cable – (scale– computer)
- RS-232 – PT0326 cable (indicator– indicator)
- RS 232 – PT0348 cable (scale-HRP, MWSH, MWLH)
- Ethernet 0198 cable
- IN/OUT– PT0256 cable
- USB type A-B cable
- Ethernet cable

Remaining Accessories
- stands for indicators

Dedicated Software

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

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

E2R PGC
- synchronization of databases, operators, products schedules
- record of measurements and PGC controls carried out on weighing instruments linked in ETHERNET network
- quality assessment of pre- packaged goods based on acquired data

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

E2R Formulations
- carrying out simple formulations
- support of an advanced formulations orders function
- warehouse management
- optional automatic dispensing and constant correction of the dispensing process
- control of an ingredient using the barcode scanner

E2R Weighings
- record of measurements carried out using the weighing indicators
- online monitoring of the production lines
- weighing thresholds control
- employees working time reporting

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

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

LabView Driver
- operation of RADWAG balances in LabView environment

RADWAG Remote Desktop
- remote operation via computer, mobile phone or tablet
- sending text messages
- version for Windows 10 and Android systems

Parameters Editor
- remote change of parameters
- remote on-line preview of the display
- displaying current mass indication
- software update
- file loading, editing and saving parameters to a file
- import and export of parameters
- interfaces: RS232, Ethernet and Wireless Connection.
- quick and easy edition of balance parameters using computer.

Audit Trail Reader
- support of Audit Trail function available for 3Y, 4Y, HY10, WLY, WPY series weighing instruments
- record of operator's activity from the moment of logging in