

PUE HY10 Indicator

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



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.

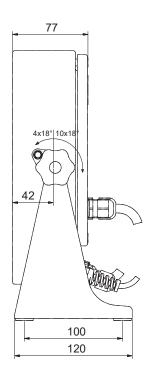
Technical Specifications

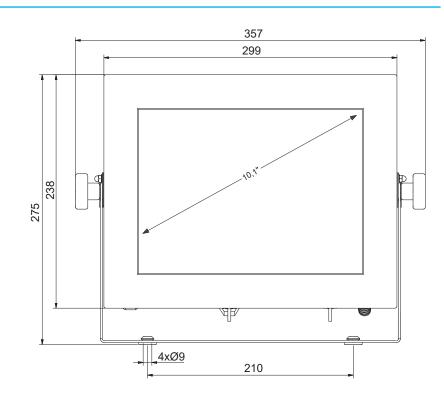
OHL classHilds IIIMaximum voltage per verification unit325 µVMinimum voltage per verification unit04 µVMinimum voltage per verification unit04 µVMinimum voltage per verification unit04 µVMaximum load cells impedance500 0Stuppi voltage of load cell500 CLoad cells wining4 or 6 wires + shieldStandard quantity of weighing platforms1Opticnal quantity of weighing platforms1Opticnal quantity of weighing platforms1000 0Multi rangeMasimum 4 [2 x internal weighing module + 4 x external weighing moduleMulti range101 Cockur wirdercreen 1024x600 with capacitive touchscreen on screenNotessor101 Cockur wirdercreen 1024x600 with capacitive touchscreen on screenProcessorquad-tore 6/4 bit Cortex 473 1/2 GH/rRAM Memory163 LPDDR2Bisplay101 Cockur wirdercreen 1024x600 with capacitive touchscreen on screenProcessorquad-tore 6/4 bit Cortex 473 1/2 GH/rRAM MSARAM 1GB LPDDR2Bisplay101 Cockur wirdercreen 1024x600 with capacitive touchscreen touchscreenProcessor10 x 200 A X x X NR 4 PINRAM Module T10 x 100 BitNUOT4 x Ix 1,4 x 0UT for (IN = 5:24 VDC, 0UT - max 30 VDC, 0S ADC)Notare10 x 100 BitNOUT10 x 200 A C StandordNotare10 x 200 A C Standord		PUE HY10
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SystemLinuxRS 2322USB1 × typ A, 1 × MR 4 PINEthernet10 / 100 MbitIN/OUT4 × IN, 4 × OUT for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)Operated protocolModbus RTURS 485*1PROFIBUS Module*DP SLAVEPROFIBUS Module*1 × type RJ45AN module*4-20mA, 0-20mA current loop; 0-10V voltage loop121N module*121 / 120 - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)Wi-Fi**100 + 240V AC 50+60HzPower supply100 + 240V AC 50+60HzPower consumption21WOperating temperature-10 + +40 °CRelative humidity **10 + 50 °COverall dimensions357 × 275 × 120 mmNet weight5.7 kgGross weight7 kg	RAM	RAM 1GB LPDDR2
A 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 RI45 AN module* 4-20mA, 0-20mA current loop; 0-10V voltage loop 12I/ 120 - 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 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	Memory	16 GB (micro SD)
USB1 × typ A, 1 × MR 4 PINEthernet10/ 100 MbitIN/OUT4 × IN, 4 × OUT for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)Operated protocolModbus RTUR5 485*1PROFIBUS Module*DP SLAVEPROFINET Module*1 × type RJ45AN module*4-20mA, 0-20mA current loop; 0-10V voltage loop121N module*121/ 120 - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)Wi-Fi**VES (external antenna) 802.11 b/g/nPower supply100 ÷ 240V AC 50 ÷ 60HzPower consumption21 WOperating temperature-10 ÷ +40 °CRelative humidity **10 ÷ 80%Transport and storage temperature-10 ÷ +50 °COverall dimensions357 × 275 × 120 mmNet weight5, kg	System	Linux
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Operated protocolModous RTURS 485*1PROFIBUS Module*DP SLAVEAN module*1 × type RJ45AN module*4-20mA, 0-20mA current loop; 0-10V voltage loop121N module*121/ 120 - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)Wi-Fi**YES (external antenna) 802,11 b/g/nModule of an additional A/D DP4 converter*1Power supply100 ÷ 240V AC 50 ÷ 60HzPower consumption21 WOperating temperature-10 ÷ +40 °CRelative humidity **10 ÷ 80%Transport and storage temperature57 × 275 × 120 mmNet weight57 kg	Ethernet	10 / 100 Mbit
RS 485*1PROFIBUS Module*DP SLAVEPROFIBUS Module*1 × type RJ45AN module*4-20mA, 0-20mA current loop; 0-10V voltage loop12IN module*12/ 120 - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)Wi-Fi**YES (external antenna) 802.11 b/g/nModule of an additional A/D DP4 converter*1Power supply100 ÷ 240V AC 50÷60HzPower consumption21 WOperating temperature-10 ÷ +40 °CRelative humidity **10 ÷ 80%Transport and storage temperature-10 ÷ +50 °COverall dimensions357 × 275 × 120 mmNet weight5.7 kgGross weight7 kg	IN/OUT	4 \times IN, 4 \times OUT for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)
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AN module*4-20mA, 0-20mA current loop; 0-10V voltage loop12I/ 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/nModule of an additional A/D DP4 converter*1Power supply100 ÷ 240V AC 50 ÷ 60HzPower consumption21 WOperating temperature-10 ÷ +40 °CRelative humidity **10 ÷ 80%Overall dimensions357 × 275 × 120 mmNet weight5.7 kgGross weight7 kg	PROFIBUS Module*	DP SLAVE
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/nModule of an additional A/D DP4 converter*1Power supply100 ÷ 240V AC 50÷60HzPower consumption21 WOperating temperature-10 ÷ +40 °CRelative humidity **10 ÷ 80%Overall dimensions357 × 275 × 120 mmNet weight5.7 kgGross weight7 kg	PROFINET Module*	1 × type RJ45
Wi-Fi* *YES (external antenna) 802.11 b/g/nModule of an additional A/D DP4 converter*1Power supply100 ÷ 240V AC 50÷60HzPower consumption21 WOperating temperature-10 ÷ +40 °CRelative humidity **10 ÷ 80%Transport and storage temperature-10 ÷ +50 °COverall dimensions357 × 275 × 120 mmNet weight5.7 kgGross weight7 kg	AN module*	
Module of an additional A/D DP4 converter*1Power supply100 ÷ 240V AC 50÷60HzPower consumption21 WOperating temperature-10 ÷ +40 °CRelative humidity **10 ÷ 80%Transport and storage temperature-10 ÷ +50 °COverall dimensions357 × 275 × 120 mmNet weight5.7 kgGross weight7 kg	12IN module*	12I / 12O - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)
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Power consumption21 WOperating temperature-10 ÷ +40 °CRelative humidity **10 ÷ 80%Transport and storage temperature-10 ÷ +50 °COverall dimensions357 × 275 × 120 mmNet weight5.7 kgGross weight7 kg	Module of an additional A/D DP4 converter*	1
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	Power supply	100 ÷ 240V AC 50÷60Hz
Relative humidity **10 ÷ 80%Transport and storage temperature-10 ÷ +50 °COverall dimensions357 × 275 × 120 mmNet weight5.7 kgGross weight7 kg	Power consumption	21 W
Transport and storage temperature -10 ÷ +50 °C Overall dimensions 357 × 275 × 120 mm Net weight 5.7 kg Gross weight 7 kg	Operating temperature	
Overall dimensions 357 × 275 × 120 mm Net weight 5.7 kg Gross weight 7 kg	Relative humidity **	
Net weight5.7 kgGross weight7 kg	Transport and storage temperature	-10 ÷ +50 ℃
Gross weight 7 kg	Overall dimensions	357 × 275 × 120 mm
	Net weight	5.7 kg
Packaging dimensions $420 \times 350 \times 230 \text{ mm}$	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.





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
- $\boldsymbol{\cdot}$ 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