RADWAG®

PUE C41H Indicator

Advanced-class industrial solutions with automation components

PUE C41H

Hermetic stainless steel housing

Hermetic stainless steel housing

Functions

Parts counting	Formulations	Statistics	Peak hold
Dosing	Labelling	Animal weighing	Totalizing
Checkweighing	Percent weighing	Multilingual menu	

In-built battery

Replaceable units

Features

Vast Range of Industrial Applications
PUE C41H indicator is an industrial device intended for designing scales equipped with automation components (silos, dispensers, formulations systems). As a standard, the indicator is equipped with the following industrial interfaces: optoinsolated inputs, reed switch outputs, current outputs, voltage outputs, RS232 , RS485 and Ethernet connectors. The PUE C41H indicator can be used as a part of the labelling and counting weighing instruments equipped with barcode scanner and labeller.

Ergonomics and Comfort of Operation
The indicator is equipped with large and easy-to-read LCD display with text information section and bar graph, and a membrane keypad with SMS layout. The device panel features diodes signalling threshold values and other statuses of the weighing instrument that can be selected from the menu. Stainless steel housing and ingress protection of IP68/69 enable operation in harsh ambient conditions. Operating temperature ranges from -10°C to 40°C.

Battery Power Supply
The indicator is equipped with a battery that extends the range of its applications. With this, the device can operate up to 9 h at the temperature of 20°C without being connected to the mains.

Communication Interfaces
The main feature of the PUE C41H indicator is the possibility to expand communication interfaces range by installing additional modules inside it.

+/- Control against Reference Sample Mass
Standard version of PUE C41H enables carrying out +/- control against determined reference sample mass. Signalling device informs about mass value whether it is obtained, exceeded or below determined threshold.

Menu Customization
Each function can be assigned with enabled or disabled attribute. This is to make unnecessary functions inactive, i.e. to make operation easier.

Technical Specifications

	PUE C41H
Maximum quantity of verification units [e]	6000
OIML class	III
Maximum signal gain	19 mV
Maximum voltage per verification unit	3.3 μV
Minimum voltage per verification unit	1.0 μV
Minimum load cells impedance	90 Ω
Maximum load cells impedance	1200 Ω
Supply voltage of load cell	5V DC
Optional quantity of weighing platforms*	2 (additional DP-1 module required)
Housing	AISI304 stainless steel
Ingress protection	IP 68 (1h max)/69
Display	LCD (with backlight)
Keypad	membrane
Keys quantity	25 keys
Indicator's database size	4 MB
RS 232 (optoinsolated connector)	1
RS 485 (optoinsolated connector)	1
AN module*	4-20 mA, 0-20 mA current loop; 0-10 V voltage loop
4IN module*	4IN / 4OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)
8IN module*	8IN / 8OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)
ET1G Ethernet module*	10 / 100 Mbit, M12 4 pin connector
ET1D Ethernet module*	10 / 100 Mbit 3 m cable terminated with RJ45
PK-01 module*	4IN / 4OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 2 ADC)
Power supply	100 ÷ 240 V AC 50 ÷ 60 Hz / + battery
Battery operating time	9 h
Power consumption	10 W
Operating temperature	−10 ÷ +40 ℃
Relative humidity**	10 ÷ 80%
Transport and storage temperature	−10 ÷ +50 ℃
Overall dimensions	240 × 200 × 120 mm
Net weight	4 kg
Gross weight	4.8 kg
Packaging dimensions	320 × 220 × 250 mm

*   optional version
**   non-condensing conditions

Dimensions
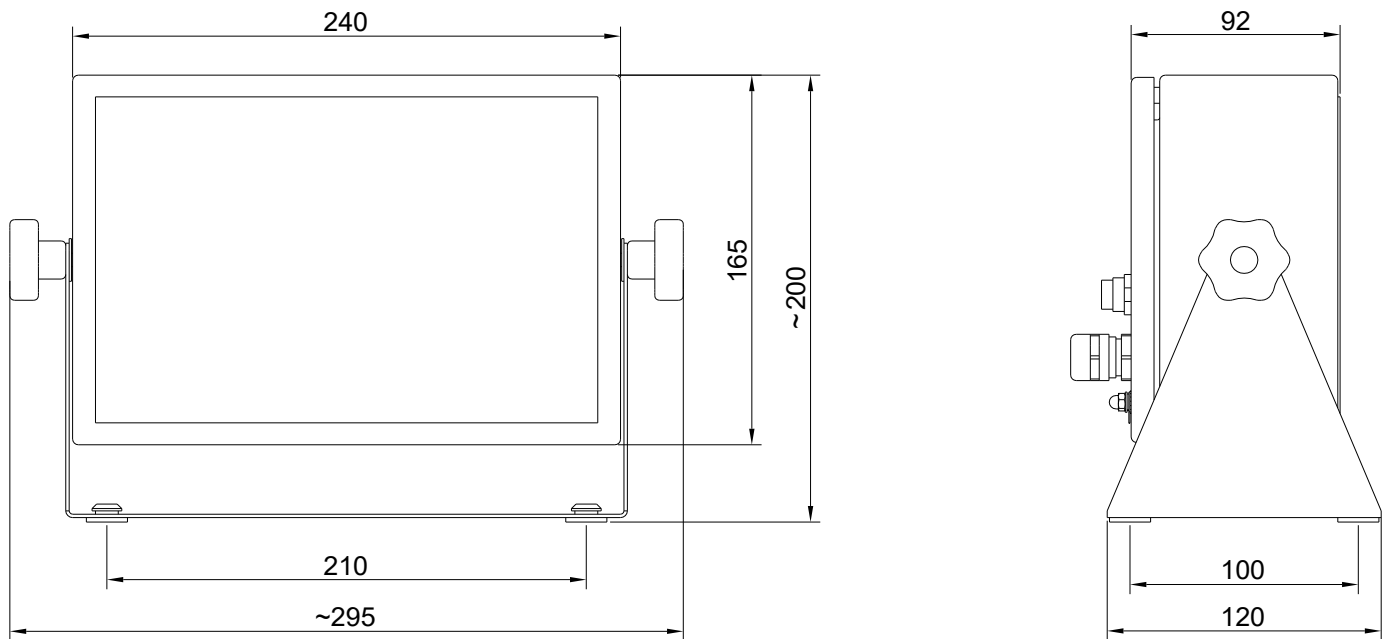
Accessories

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

Cables, Converters
- PT0019 cable – (scale – Epson printer)
- PT0020 cable – (scale– computer)
- Ethernet 0198 cable
- IN/OUT– PT0256 cable

Weighing Platforms
- waterproof steel platforms
- stainless steel platforms with opening option
- stainless steel ramp platforms

Remaining Accessories
- stands for indicators

Dedicated Software

R-LAB
- collecting data from weighing instruments
- measurements statistics
- customized graphs and reports

Labview Driver
- support of RADWAG-manufactured weighing instruments operating 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

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

RADWAG Remote Desktop
- remote control of the scale using computer, telephone or tablet
- sending messages to scale
- version for Windows 10 and Android

WPW Editor
- definable access levels for scale users;
- editing and changing all user parameters from computer level (filters, date / time, display backlight, INPUT / OUTPUT configuration, setting parameters of RS232, RS485, ETHERNET ports, etc);
- export, import and editing of databases;
- printouts from accomplished measurement series saved to a file;
- user definable data indicated in the bottom line of the terminal display;
- defining non-standard printouts.