

# Stainless Steel HX5.EX-1.4P H Pallet Scale for Hazardous Areas



Precise weighing of loads on transport pallets  
in gas and dust hazardous areas and in moist environment



HX5.EX 1.4P.H



Intrinsically safe communication  
interfaces and hermetic  
connectors in stainless steel  
housing



ATEX approval



Transport-supporting casters



PUE HX5.EX-1 indicator with 5"  
colour graphic display

## Functions

- Parts counting
- Percent weighing
- GLP procedures
- Labelling
- Replaceable units
- +/- control
- Statistics
- Alibi memory
- ATEX certificate
- Multilingual menu
- Dosing

## Features

### Precise Weighing Indications in Challenging Industrial Conditions

Mass measurement carried out using 4 load cells guarantees weighing accuracy regardless positioning of the load on the platform. The scale ensures precise and fast mass measurement in challenging industrial conditions.

### Reliability and Safety

Robust platform made of powder-coated steel allows to weight large loads, ensuring durability and endurance in everyday use. The scale ensures safety of operation in hazardous areas classified as zones 1 and 2.

### Wide Range of Applications

Unique shape of the weighing platform facilitates weighing Euro-pallets and any types of transport pallets of 800 x 1200 mm dimensions. The scale enables loading the weighing pan using forklift.

### Cooperation with PUE HX5.EX Indicator

The scale can be operated via advanced PUE HX5.EX indicator with a hermetic stainless steel housing. ATEX certificate guarantees safe operation of the indicator in hazardous areas.

### Uncomplicated Operation and Clear Presentation of Indications

5" colour screen ensures perfect readability, and intuitive information arrangement on the display guarantees uncomplicated and comfortable operation. Graphic user interface with the option of customization via widgets also adds to the comfort of operation.

### Certified Intrinsically Safe Power Supply

The scale must be powered using exclusively a certified intrinsically safe power supply. Two versions of intrinsically safe power supply are offered, one for operation in hazardous area (PM01.EX-1 power supply), one in safe area (PM01.EX-2 power supply).

### Cooperation with External Devices

With use of IM01.EX communication module it is possible to expand communication interfaces range. The module facilitates cooperation with various accessories, e.g. barcode scanners, printers, controlling/signalling devices.

### Ergonomics and Comfort of Operation

Resistant casters and holders support scale transport.

## Technical Specifications

	HX5.EX-1.4P.600.H	HX5.EX-1.4P.1500.H*	HX5.EX-1.4P.3000.H.C*
<b>Maximum capacity [Max]</b>	600 kg	1500 kg	3000 kg
<b>Minimum capacity</b>	4 kg	10 kg	20 kg
<b>Readability [d]</b>	200 g	500 g	1000 g
<b>Max readability for non-verified scale</b>	200 g	500 g	1000 g
<b>Verification unit [e]</b>	-600 kg	-1500 kg	-3000 kg
<b>Tare range</b>	-60 kg	-150 kg	-300 kg
<b>Verification</b>	Yes	Yes	Yes
<b>OIML class</b>	III	III	III
<b>EX approval</b>	ATEX : KDB 17ATEX0066X IECEX: IECEX OBAC 19.0001X	ATEX : KDB 17ATEX0066X IECEX: IECEX OBAC 19.0001X	ATEX : KDB 17ATEX0066X IECEX: IECEX OBAC 19.0001X
<b>EX marking</b>	II 2G Ex ib IIB T4 Gb, II 2D Ex ib IIIC T135°C Db	II 2G Ex ib IIB T4 Gb, II 2D Ex ib IIIC T135°C Db	II 2G Ex ib IIB T4 Gb, II 2D Ex ib IIIC T135°C Db
<b>Hazardous areas classification</b>	zones 1, 2, 21 and 22	zones 1, 2, 21 and 22	zones 1, 2, 21 and 22
<b>Platform material</b>	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
<b>Weighing pan material</b>	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
<b>Indicator fastening</b>	3 m cable	3 m cable	3 m cable
<b>Display</b>	5" graphic display	5" graphic display	5" graphic display
<b>Keyboard</b>	membrane, 35 keys	membrane, 35 keys	membrane, 35 keys
<b>Indicator</b>	PUE HX5.EX-1	PUE HX5.EX-1	PUE HX5.EX-1
<b>Ingress protection - platform</b>	IP 68	IP 68	IP 68
<b>Ingress protection - indicator</b>	IP 66/68	IP 66/68	IP 66/68
<b>RS 232</b>	2	2	2
<b>RS 485</b>	1	1	1
<b>Power supply**</b>	230V AC	230V AC	230V AC
<b>Power consumption</b>	15 W	15 W	15 W
<b>Operating temperature</b>	-10 ÷ +40 °C	-10 ÷ +40 °C	-10 ÷ +40 °C
<b>Relative humidity ***</b>	10 ÷ 85%	10 ÷ 85%	10 ÷ 85%
<b>Transport and storage temperature</b>	-10 ÷ +50 °C	-10 ÷ +50 °C	-10 ÷ +50 °C
<b>Weighing pan dimensions</b>	860 × 1200 mm	860 × 1200 mm	860 × 1200 mm
<b>Indicator dimensions</b>	329 × 231 × 120 mm	329 × 231 × 120 mm	329 × 231 × 120 mm
<b>Net weight****</b>	51 kg	51 kg	51 kg
<b>Gross weight****</b>	85 kg	85 kg	85 kg
<b>Platform packaging dimensions</b>	1400 × 900 × 338 mm	1400 × 900 × 338 mm	1400 × 900 × 338 mm

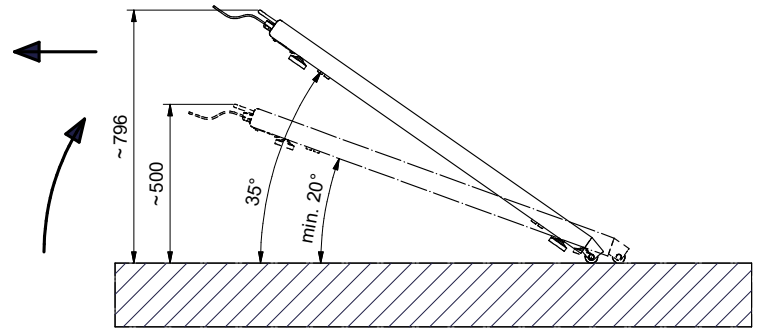
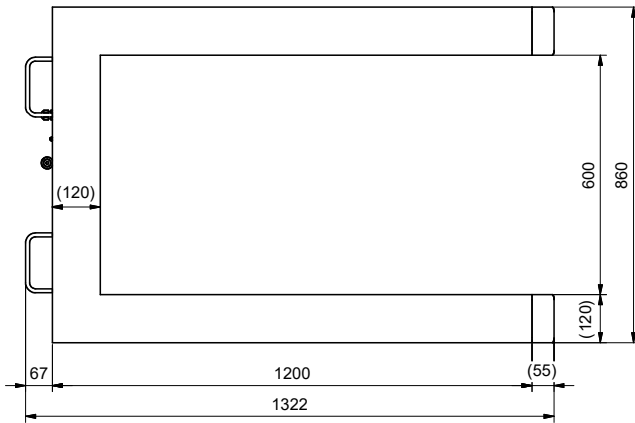
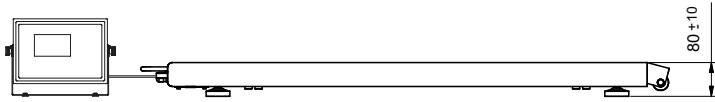
\* option: dual range weighing instrument

\*\* The scale must be powered using dedicated PM01EX-1 power supply (intended for operation in hazardous area) or PM01EX-2 power supply (intended for operation in)

\*\*\* non-condensing conditions

\*\*\*\* mass given for the packaging containing both PUE HX5.EX indicator and PM01.EX power supply

## Dimensions



Transport of the pallet scale using casters and handles

## Accessories

### Peripheral Devices

- IM01EX-1 communication module

### Electrical Accessories

- PM01.EX-1 power supply (for operation in hazardous area)
- PM01.EX-2 power supply (for operation in safe area)

### Remaining accessories

- stands for indicators

## 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

### 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

### 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