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

Intrinsically safe communication interfaces and hermetic connectors in stainless steel housing

ATEX approval

HX5.EX 1.4P.H

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*
Maximum capacity [Max]	600 kg	1500 kg	3000 kg
Minimum capacity	4 kg	10 kg	20 kg
Readability [d]	200 g	500 g	1000 g
Max readability for non-verified scale	200 g	500 g	1000 g
Verification unit [e]	–600 kg	–1500 kg	–3000 kg
Tare range	–60 kg	–150 kg	–300 kg
Verification	Yes	Yes	Yes
OIML class	III	III	III
ATEX marking	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
Hazardous areas classification	zones 1, 2, 21 and 22	zones 1, 2, 21 and 22	zones 1, 2, 21 and 22
Platform material	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
Weighing pan material	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
Indicator fastening	3 m cable	3 m cable	3 m cable
Display	5" graphic display	5" graphic display	5" graphic display
Keyboard	membrane, 35 keys	membrane, 35 keys	membrane, 35 keys
Indicator	PUE HX5.EX-1	PUE HX5.EX-1	PUE HX5.EX-1
Ingress protection - platform	IP 68	IP 68	IP 68
Ingress protection - indicator	IP 66/68	IP 66/68	IP 66/68
RS 232	2	2	2
RS 485	1	1	1
Power supply**	230V AC	230V AC	230V AC
Power consumption	15 W	15 W	15 W
Operating temperature	–10 ÷ +40 °C	–10 ÷ +40 °C	–10 ÷ +40 °C
Relative humidity **	10 ÷ 85%	10 ÷ 85%	10 ÷ 85%
Transport and storage temperature	–10 ÷ +50 °C	–10 ÷ +50 °C	–10 ÷ +50 °C
Weighing pan dimensions	860 × 1200 mm	860 × 1200 mm	860 × 1200 mm
Indicator dimensions	329 × 231 × 120 mm	329 × 231 × 120 mm	329 × 231 × 120 mm
Net weight***	51 kg	51 kg	51 kg
Gross weight***	85 kg	85 kg	85 kg
Platform packaging dimensions	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
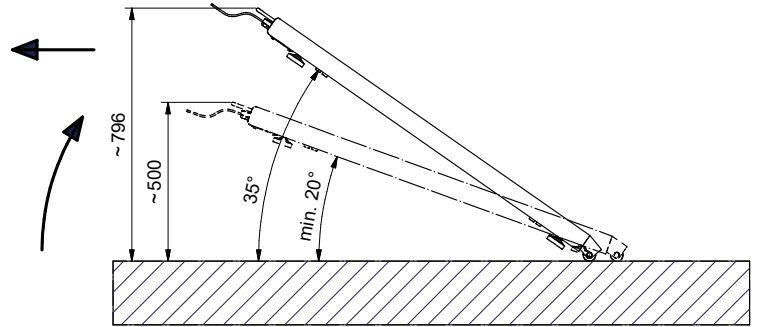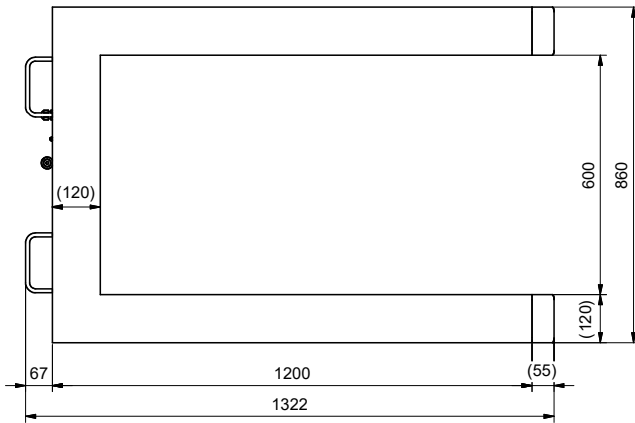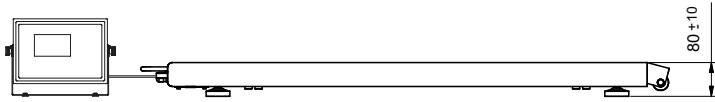
Transport of the pallet scale using casters and handles

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