# WPT/4P2 C Beam Scale

Precise measurements of large loads and pallets

Transport-supporting handles

PUE C/31
indicator with LCD display
in ABS housing

WPT/4P2

## Functions

| | | | | |
|---|---|---|---|---|
| Parts counting | Percent weighing | Totalizing | In-built battery | Replaceable units |
| +/- Control | Animal weighing | Peak hold | | |

## Features

**Precise Weighing Results in 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 industrial conditions.

**Reliability and Safety**
Robust scale made of powder-coated steel allows to weight large loads, ensuring durability and endurance in everyday use.

**Special-Purpose Scale**
Unique two-element construction for weighing pallets and other types of loads. Customization of beams arrangement enables weighing loads of various shapes and dimensions. Two optional beams (available at additional charge) allow to weight large-size loads.

**Cooperation with PUE C/31 Indicator**
The scale can be operated via uncomplicated and reliable PUE C/31 indicator housed in an ABS housing.

**Uncomplicated Operation and Clear Presentation of Indications**
Due to a backlit LCD display the measurement result is clearly visible. Easy operation enables fast and reliable measurements to be carried out even by an inexperienced operator.

**Uninterrupted Operation due to an Internal Battery**
Integrated battery of the weighing indicator enables several hours long mobile operation.

**Ergonomics and Comfort of Operation**
With use of a long cable it is possible to locate the terminal in a place facilitating convenient operation. An additional accessory enables placing the indicator on a stand or mounting it to the wall. Good quality handles allow to easily transport the scale.

# Technical Specifications

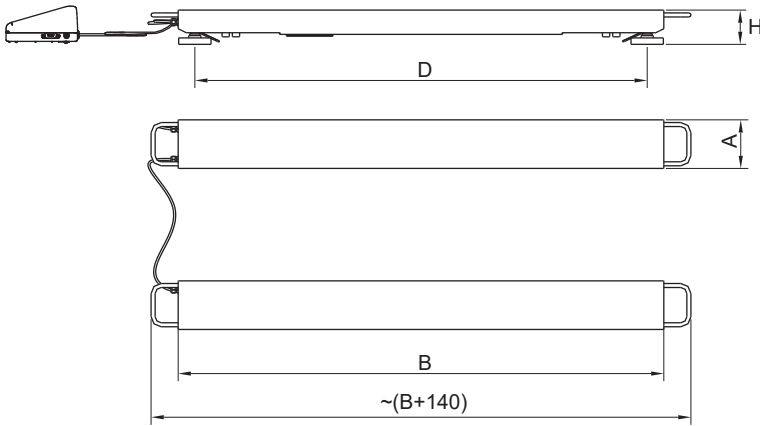| | WPT/4P2 600C | WPT/4P2 1500C | WPT/4P2 3000C |
|---|---|---|---|
| **Maximum capacity [Max]** | 600 kg | 1500 kg | 3000 kg |
| **Minimum capacity** | 4 kg | 10 kg | 20 kg |
| **Readability [d]** | 200 g | 500 g | 1000 g |
| **Verification unit [e]** | 200 g | 500 g | 1000 g |
| **Tare range** | −600 kg | −1500 kg | −3000 kg |
| **Verification** | Yes | Yes | Yes |
| **OIML class** | III | III | III |
| **Design material** | St3S powder-coated steel | St3S powder-coated steel | St3S powder-coated steel |
| **Weighing pan material** | St3S powder-coated steel | St3S powder-coated steel | St3S powder-coated steel |
| **Indicator fastening** | 3 m cable | 3 m cable | 3 m cable |
| **Display** | LCD (with backlight) | LCD (with backlight) | LCD (with backlight) |
| **Keyboard** | 5 keys | 5 keys | 5 keys |
| **Indicator** | PUE C/31 | PUE C/31 | PUE C/31 |
| **Ingress protection - design** | IP 67 | IP 67 | IP 67 |
| **Ingress protection - indicator** | IP 43 | IP 43 | IP 43 |
| **RS 232** | 1 | 1 | 1 |
| **Power supply** | 100 ÷ 240 V AC 50 ÷ 60 Hz / 12 V DC + battery | 100 ÷ 240 V AC 50 ÷ 60 Hz / 12 V DC + battery | 100 ÷ 240 V AC 50 ÷ 60 Hz / 12 V DC + battery |
| **Battery operation time** | 35 hours | 35 hours | 35 hours |
| **Power consumption** | 6 W | 6 W | 6 W |
| **Operating temperature** | −10 ÷ +40 ℃ | −10 ÷ +40 ℃ | −10 ÷ +40 ℃ |
| **Relative humidity \*\*** | 10 ÷ 85% | 10 ÷ 85% | 10 ÷ 85% |
| **Transport and storage temperature** | −10 ÷ +50 ℃ | −10 ÷ +50 ℃ | −10 ÷ +50 ℃ |
| **Weighing pan dimensions** | 2 beams, 1.2 m long (distance between beams up to 5 m) | 2 beams, 1.2 m long (distance between beams up to 5 m) | 2 beams, 1.2 m long (distance between beams up to 5 m) |
| **Indicator dimensions** | 181 × 136 × 60 mm | 181 × 136 × 60 mm | 181 × 136 × 60 mm |
| **Net weight** | 36 kg | 36 kg | 36 kg |
| **Gross weight** | 51 kg | 51 kg | 51 kg |
| **Packaging dimensions** | 1400 × 400 × 450 mm | 1400 × 400 × 450 mm | 1400 × 400 × 450 mm |

\*       non-condensing conditions

| | WPT/4P2 2000C1 | WPT/4P2 4000C1 | WPT/4P2 6000C1 |
|---|---|---|---|
| **Maximum capacity [Max]** | 2000 kg | 4000 kg | 6000 kg |
| **Minimum capacity** | 20 kg | 40 kg | 40 kg |
| **Readability [d]** | 1000 g | 2000 g | 2000 g |
| **Verification unit [e]** | 1000 g | 2000 g | 2000 g |
| **Tare range** | −2000 kg | −4000 kg | −6000 kg |
| **Verification** | Yes | Yes | Yes |
| **OIML class** | III | III | III |
| **Design material** | St3S powder-coated steel | St3S powder-coated steel | St3S powder-coated steel |
| **Weighing pan material** | St3S powder-coated steel | St3S powder-coated steel | St3S powder-coated steel |
| **Indicator fastening** | 3 m cable | 3 m cable | 3 m cable |
| **Display** | LCD (with backlight) | LCD (with backlight) | LCD (with backlight) |
| **Keyboard** | 5 keys | 5 keys | 5 keys |
| **Indicator** | PUE C/31 | PUE C/31 | PUE C/31 |
| **Ingress protection - design** | IP 67 | IP 67 | IP 67 |
| **Ingress protection - indicator** | IP 43 | IP 43 | IP 43 |
| **RS 232** | 1 | 1 | 1 |
| **Power supply** | 100 ÷ 240 V AC 50 ÷ 60 Hz / 12 V DC + battery | 100 ÷ 240 V AC 50 ÷ 60 Hz / 12 V DC + battery | 100 ÷ 240 V AC 50 ÷ 60 Hz / 12 V DC + battery |
| **Battery operation time** | 35 hours | 35 hours | 35 hours |
| **Power consumption** | 6 W | 6 W | 6 W |
| **Operating temperature** | −10 ÷ +40 ℃ | −10 ÷ +40 ℃ | −10 ÷ +40 ℃ |
| **Relative humidity \*\*** | 10 ÷ 85% | 10 ÷ 85% | 10 ÷ 85% |
| **Transport and storage temperature** | −10 ÷ +50 ℃ | −10 ÷ +50 ℃ | −10 ÷ +50 ℃ |
| **Weighing pan dimensions** | 2 beams, 2 m long (distance between beams up to 5 m) | 2 beams, 2 m long (distance between beams up to 5 m) | 2 beams, 2 m long (distance between beams up to 5 m) |
| **Indicator dimensions** | 181 × 136 × 60 mm | 181 × 136 × 60 mm | 181 × 136 × 60 mm |
| **Net weight** | 58 kg | 96 kg | 96 kg |
| **Gross weight** | 80 kg | 118 kg | 118 kg |
| **Packaging dimensions** | 2200 × 400 × 450 mm | 2200 × 400 × 450 mm | 2200 × 400 × 450 mm |

\*        non-condensing conditions

| | WPT/4P2 2000C2 | WPT/4P2 4000C2 | WPT/4P2 6000C2 |
|---|---|---|---|
| **Maximum capacity [Max]** | 2000 kg | 4000 kg | 6000 kg |
| **Minimum capacity** | 20 kg | 40 kg | 40 kg |
| **Readability [d]** | 1000 g | 2000 g | 2000 g |
| **Verification unit [e]** | 1000 g | 2000 g | 2000 g |
| **Tare range** | −2000 kg | −4000 kg | −6000 kg |
| **Verification** | Yes | Yes | Yes |
| **OIML class** | III | III | III |
| **Design material** | St3S powder-coated steel | St3S powder-coated steel | St3S powder-coated steel |
| **Weighing pan material** | St3S powder-coated steel | St3S powder-coated steel | St3S powder-coated steel |
| **Indicator fastening** | 3 m cable | 3 m cable | 3 m cable |
| **Display** | LCD (with backlight) | LCD (with backlight) | LCD (with backlight) |
| **Keyboard** | 5 keys | 5 keys | 5 keys |
| **Indicator** | PUE C/31 | PUE C/31 | PUE C/31 |
| **Ingress protection - design** | IP 67 | IP 67 | IP 67 |
| **Ingress protection - indicator** | IP 43 | IP 43 | IP 43 |
| **RS 232** | 1 | 1 | 1 |
| **Power supply** | 100 ÷ 240 V AC 50 ÷ 60 Hz / 12 V DC + battery | 100 ÷ 240 V AC 50 ÷ 60 Hz / 12 V DC + battery | 100 ÷ 240 V AC 50 ÷ 60 Hz / 12 V DC + battery |
| **Battery operation time** | 35 hours | 35 hours | 35 hours |
| **Power consumption** | 6 W | 6 W | 6 W |
| **Operating temperature** | −10 ÷ +40 ℃ | −10 ÷ +40 ℃ | −10 ÷ +40 ℃ |
| **Relative humidity **** | 10 ÷ 85% | 10 ÷ 85% | 10 ÷ 85% |
| **Transport and storage temperature** | −10 ÷ +50 ℃ | −10 ÷ +50 ℃ | −10 ÷ +50 ℃ |
| **Weighing pan dimensions** | 2 beams, 2.5 m long (distance between beams up to 5 m) | 2 beams, 2.5 m long (distance between beams up to 5 m) | 2 beams, 2.5 m long (distance between beams up to 5 m) |
| **Indicator dimensions** | 181 × 136 × 60 mm | 181 × 136 × 60 mm | 181 × 136 × 60 mm |
| **Net weight** | 70 kg | 110 kg | 138 kg |
| **Gross weight** | 98 kg | 138 kg | 166 kg |
| **Packaging dimensions** | 2700 × 400 × 450 mm | 2700 × 400 × 450 mm | 2700 × 400 × 450 mm |

\*      non-condensing conditions

# Dimensions



| Scale type | A | B | H | D |
|---|---|---|---|---|
| WPT/4P2 600C | 120 | 1200 | 85 | 1100 |
| WPT/4P2 1500C | 120 | 1200 | 85 | 1100 |
| WPT/4P2 3000C | 120 | 1200 | 85 | 1100 |
| WPT/4P2 2000C1 | 120 | 2000 | 105 | 1900 |
| WPT/4P2 2000C2 | 120 | 2500 | 105 | 2400 |
| WPT/4P2 4000C1 | 120 | 2000 | 155 | 1880 |
| WPT/4P2 4000C2 | 120 | 2500 | 155 | 2380 |
| WPT/4P2 6000C1 | 120 | 2000 | 155 | 1880 |
| WPT/4P2 6000C2 | 120 | 2500 | 155 | 2380 |

dimensions in mm

# Accessories

**Peripheral Devices**
• Epson dot matrix printer
• LCD – WD-4/3 display (backlit)
• WWG-2/3 large-size display

**Cables, Converters**
• RS 232 – PT0259 cable (scale - indicator)
• RS 232 – PT0326 cable (indicator– indicator)
• RS-232 – P0151 Epson printer cable

• RS232 – KR-04-2 converter
• RS232 – KR-04-3 converter
• AP2-3 current loop unit (in stainless steel housing)
• external power supply - K0046D (for PUE C/31H/Z)
• K0047 – cigarette lighter cable

**Remaining Accessories**
• stands for indicators

# Dedicated Software

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

**LabView Driver**
• operation of RADWAG balances in LabView environment

**Scale editor**
• Software designed to enable change of parameters in the PUEC/31 indicator.

**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