

# C315.4P2 Beam Scale

Precise weighing of large loads and pallets











Transport-supporting handles



PUE C315 indicator with LCDdisplay in ABS housing

C315.4P2.3000.C

## 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 design of powder coated platform enables measurement of large load ensuring durability and robustness during everyday operation.

### 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 C315 Indicator

The scale can be operated via uncomplicated and reliable PUE C315 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 indicator in a place facilitating convenient operation or on the wall. An additional accessory enables placing the indicator on a stand. Good quality handles allow to easily transport the scale.

## Technical Specifications

|   | C315.4P2.600.C   | C315.4P2.1500.C  | C315.4P2.3000.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>                  | 200 g  | 500 g  | 1000 g   |
| <b>Tare range</b>                             | -600 kg  | -1500 kg   | -3000 kg   |
| <b>Verification</b>                           | Yes  | Yes  | Yes  |
| <b>OIML class</b>                             | III  | III  | III  |
| <b>Platform material</b>                      | St3S powder-coated steel                               | St3S powder-coated steel                               | St3S powder-coated steel                               |
| <b>Weighing pan material</b>                  | St3S powder-coated steel                               | St3S powder-coated steel                               | St3S powder-coated steel                               |
| <b>Indicator fastening</b>                    | on 3 m cable   | on 3 m cable   | on 3 m cable   |
| <b>Display</b>                                | LCD (with backlight)                                   | LCD (with backlight)                                   | LCD (with backlight)                                   |
| <b>Keyboard</b>                               | 5 keys   | 5 keys   | 5 keys   |
| <b>Indicator</b>                              | PUE C315   | PUE C315   | PUE C315   |
| <b>Ingress protection - design</b>            | IP 65  | IP 65  | IP 65  |
| <b>Ingress protection - indicator</b>         | IP 43  | IP 43  | IP 43  |
| <b>RS 232</b>                                 | 1  | 1  | 1  |
| <b>RS 232*</b>                                | 1  | 1  | 1  |
| <b>Power supply</b>                           | 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          |
| <b>Battery operation time</b>                 | to 8 hours   | to 8 hours   | to 8 hours   |
| <b>Power consumption</b>                      | 5 W  | 5 W  | 5 W  |
| <b>Operating temperature</b>                  | -10 ÷ +40 °C   | -10 ÷ +40 °C   | -10 ÷ +40 °C   |
| <b>Relative humidity**</b>                    | 10 ÷ 80%   | 10 ÷ 80%   | 10 ÷ 80%   |
| <b>Transport and storage temperature</b>      | -10 ÷ +50 °C   | -10 ÷ +50 °C   | -10 ÷ +50 °C   |
| <b>Weighing pan dimensions</b>                | 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) |
| <b>Indicator dimensions</b>                   | 181 × 136 × 60 mm                                      | 181 × 136 × 60 mm                                      | 181 × 136 × 60 mm                                      |
| <b>Net weight</b>                             | 36 kg  | 36 kg  | 36 kg  |
| <b>Gross weight</b>                           | 51 kg  | 51 kg  | 51 kg  |
| <b>Packaging dimensions</b>                   | 1400 × 400 × 450 mm                                    | 1400 × 400 × 450 mm                                    | 1400 × 400 × 450 mm                                    |

\* optional scale design

\*\* non-condensing conditions

## Technical Specifications

|   | <b>C315.4P2.2000.C1</b>                              | <b>C315.4P2.4000.C1</b>                              | <b>C315.4P2.6000.C1</b>                              |
|---|--|--|--|
| <b>Maximum capacity [Max]</b>                 | 2000 kg  | 4000 kg  | 6000 kg  |
| <b>Minimum capacity</b>                       | 20 kg  | 40 kg  | 40 kg  |
| <b>Readability [d]</b>                        | 1000 g   | 2000 g   | 2000 g   |
| <b>Max readability for non-verified scale</b> | 1000 g   | 2000 g   | 2000 g   |
| <b>Verification unit [e]</b>                  | 1000 g   | 2000 g   | 2000 g   |
| <b>Tare range</b>                             | -2000 kg   | -4000 kg   | -6000 kg   |
| <b>Verification</b>                           | Yes  | Yes  | Yes  |
| <b>OIML class</b>                             | III  | III  | III  |
| <b>Platform material</b>                      | St3S powder-coated steel                             | St3S powder-coated steel                             | St3S powder-coated steel                             |
| <b>Weighing pan material</b>                  | St3S powder-coated steel                             | St3S powder-coated steel                             | St3S powder-coated steel                             |
| <b>Indicator fastening</b>                    | on 3 m cable   | on 3 m cable   | on 3 m cable   |
| <b>Display</b>                                | LCD (with backlight)                                 | LCD (with backlight)                                 | LCD (with backlight)                                 |
| <b>Keyboard</b>                               | 5 keys   | 5 keys   | 5 keys   |
| <b>Indicator</b>                              | PUE C315   | PUE C315   | PUE C315   |
| <b>Ingress protection - design</b>            | IP 65  | IP 65  | IP 65  |
| <b>Ingress protection - indicator</b>         | IP 43  | IP 43  | IP 43  |
| <b>RS 232</b>                                 | 1  | 1  | 1  |
| <b>RS 232*</b>                                | 1  | 1  | 1  |
| <b>Power supply</b>                           | 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        |
| <b>Battery operation time</b>                 | to 8 hours   | to 8 hours   | to 8 hours   |
| <b>Power consumption</b>                      | 5 W  | 5 W  | 5 W  |
| <b>Operating temperature</b>                  | -10 ÷ +40 °C   | -10 ÷ +40 °C   | -10 ÷ +40 °C   |
| <b>Relative humidity**</b>                    | 10 ÷ 80%   | 10 ÷ 80%   | 10 ÷ 80%   |
| <b>Transport and storage temperature</b>      | -10 ÷ +50 °C   | -10 ÷ +50 °C   | -10 ÷ +50 °C   |
| <b>Weighing pan dimensions</b>                | 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) |
| <b>Indicator dimensions</b>                   | 181 × 136 × 60 mm                                    | 181 × 136 × 60 mm                                    | 181 × 136 × 60 mm                                    |
| <b>Net weight</b>                             | 58 kg  | 96 kg  | 96 kg  |
| <b>Gross weight</b>                           | 80 kg  | 118 kg   | 118 kg   |
| <b>Packaging dimensions</b>                   | 2200 × 400 × 450 mm                                  | 2200 × 400 × 450 mm                                  | 2200 × 400 × 450 mm                                  |

\* optional scale design

\*\* non-condensing conditions

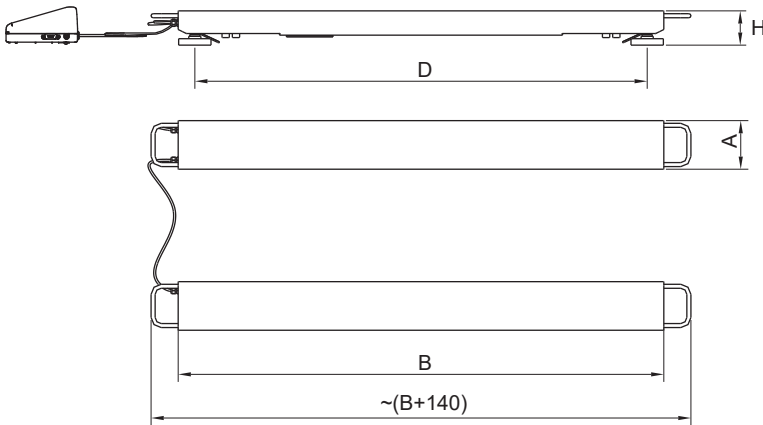
## Technical Specifications

|   | <b>C315.4P2.2000.C2</b>                                | <b>C315.4P2.4000.C2</b>                                | <b>C315.4P2.6000.C2</b>                                |
|---|--|--|--|
| <b>Maximum capacity [Max]</b>                 | 2000 kg  | 4000 kg  | 6000 kg  |
| <b>Minimum capacity</b>                       | 20 kg  | 40 kg  | 40 kg  |
| <b>Readability [d]</b>                        | 1000 g   | 2000 g   | 2000 g   |
| <b>Max readability for non-verified scale</b> | 1000 g   | 2000 g   | 2000 g   |
| <b>Verification unit [e]</b>                  | 1000 g   | 2000 g   | 2000 g   |
| <b>Tare range</b>                             | -2000 kg   | -4000 kg   | -6000 kg   |
| <b>Verification</b>                           | Yes  | Yes  | Yes  |
| <b>OIML class</b>                             | III  | III  | III  |
| <b>Platform material</b>                      | St3S powder-coated steel                               | St3S powder-coated steel                               | St3S powder-coated steel                               |
| <b>Weighing pan material</b>                  | St3S powder-coated steel                               | St3S powder-coated steel                               | St3S powder-coated steel                               |
| <b>Indicator fastening</b>                    | on 3 m cable   | on 3 m cable   | on 3 m cable   |
| <b>Display</b>                                | LCD (with backlight)                                   | LCD (with backlight)                                   | LCD (with backlight)                                   |
| <b>Keyboard</b>                               | 5 keys   | 5 keys   | 5 keys   |
| <b>Indicator</b>                              | PUE C315   | PUE C315   | PUE C315   |
| <b>Ingress protection - design</b>            | IP 65  | IP 65  | IP 65  |
| <b>Ingress protection - indicator</b>         | IP 43  | IP 43  | IP 43  |
| <b>RS 232</b>                                 | 1  | 1  | 1  |
| <b>RS 232*</b>                                | 1  | 1  | 1  |
| <b>Power supply</b>                           | 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          |
| <b>Battery operation time</b>                 | to 8 hours   | to 8 hours   | to 8 hours   |
| <b>Power consumption</b>                      | 5 W  | 5 W  | 5 W  |
| <b>Operating temperature</b>                  | -10 ÷ +40 °C   | -10 ÷ +40 °C   | -10 ÷ +40 °C   |
| <b>Relative humidity**</b>                    | 10 ÷ 80%   | 10 ÷ 80%   | 10 ÷ 80%   |
| <b>Transport and storage temperature</b>      | -10 ÷ +50 °C   | -10 ÷ +50 °C   | -10 ÷ +50 °C   |
| <b>Weighing pan dimensions</b>                | 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) |
| <b>Indicator dimensions</b>                   | 181 × 136 × 60 mm                                      | 181 × 136 × 60 mm                                      | 181 × 136 × 60 mm                                      |
| <b>Net weight</b>                             | 70 kg  | 110 kg   | 138 kg   |
| <b>Gross weight</b>                           | 98 kg  | 138 kg   | 166 kg   |
| <b>Packaging dimensions</b>                   | 2700 × 400 × 450 mm                                    | 2700 × 400 × 450 mm                                    | 2700 × 400 × 450 mm                                    |

\* optional scale design

\*\* non-condensing conditions

## Dimensions



| Scale type       | A   | B    | H   | D    |
|------------------|-----|------|-----|------|
| C315.4P2 600.C   | 120 | 1200 | 85  | 1100 |
| C315.4P2 1500.C  | 120 | 1200 | 85  | 1100 |
| C315.4P2 3000.C  | 120 | 1200 | 85  | 1100 |
| C315.4P2 2000.C1 | 120 | 2000 | 105 | 1900 |
| C315.4P2 4000.C1 | 120 | 2500 | 105 | 2400 |
| C315.4P2 6000.C1 | 120 | 2000 | 155 | 1880 |
| C315.4P2 2000.C2 | 120 | 2500 | 155 | 2380 |
| C315.4P2 4000.C2 | 120 | 2000 | 155 | 1880 |
| C315.4P2 6000.C2 | 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
- K0047 – cigarette lighter cable
- external power supply - K0046D (for PUE C/31H/Z)

### 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 PUE C315 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