

Product brochure

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# KERN PES 2200-2M

Robust laboratory and industrial precision scale for heavy items

ENGLISH



## CONTACT

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## FEATURES

- CAL adjustment program for adjusting precision, external test weights available separately (see test weights)
- Metal housing: robust and sturdy
- Weighing with tolerance range (checkweighing): Input of two upper and two lower limit values through four arrow keys. An audible and visual signal assists with the portioning, dispensing or grading
- Underfloor weighing: Possibility of load support with built-in loop on the underside of the balance
- Protective working cover included with delivery

## TECHNICAL DATA

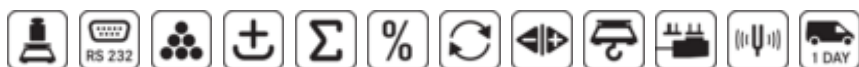
- Fluorescent display, bright with high contrast, digit height 14 mm
- Dimensions weighing surface W×D 200×200 mm, stainless steel
- Overall dimensions 220×333×93 mm
- Net weight approx. 4,4 kg
- Permissible ambient temperature 10 °C/30 °C

## MAIN SCOPE OF APPLICATIONS

- Laboratory applications
- Industrial applications
- Research and development
- Time-based recording

## PICTOGRAMS

Standard



Option



Factory



## MODEL OVERVIEW

| Model       | Weighing capacity<br>[Max] | Readability<br>[d] | Reproducibility | Linearity | Dimensions<br>weighing surface |
|-------------|----------------------------|--------------------|-----------------|-----------|--------------------------------|
| PES 620-3M  | 620 g                      | 0,001 g            | 0,001 g         | ± 0,003 g | 140×120 mm                     |
| PES 2200-2M | 2200 g                     | 0,01 g             | 0,01 g          | ± 0,02 g  | 200×200 mm                     |
| PES 4200-2M | 4200 g                     | 0,01 g             | 0,01 g          | ± 0,02 g  | 200×200 mm                     |
| PES 6200-2M | 6200 g                     | 0,01 g             | 0,01 g          | ± 0,03 g  | 200×200 mm                     |

| Model        | Weighing capacity<br>[Max] | Readability<br>[d] | Reproducibility | Linearity | Dimensions<br>weighing surface |
|--------------|----------------------------|--------------------|-----------------|-----------|--------------------------------|
| PES 15000-1M | 15000 g                    | 0,1 g              | 0,1 g           | ± 0,2 g   | 200×200 mm                     |
| PES 31000-1M | 31000 g                    | 0,1 g              | 0,1 g           | ± 0,4 g   | 250×220 mm                     |

## ACCESSORIES

| Model      | Description                                                                                 |
|------------|---------------------------------------------------------------------------------------------|
| 326-12     | Test weight 326-12 (OIML Class F1, Nominal value 2 kg, Eco Shape, stainless steel polished) |
| 474-926    | RS232 interface cable 474-926                                                               |
| MLB-A05    | RS232 interface cable MLB-A05                                                               |
| PES-A02    | Relay output PES-A02                                                                        |
| PES-A04    | Protective working cover PES-A04                                                            |
| PES-A04S05 | Protective working cover PES-A04S05, scope of delivery: 5 items                             |
| YKC-01     | Thermal printer YKC-01                                                                      |
| YKG-01     | Dot Matrix Printer YKG-01                                                                   |
| YKH-01     | Thermal printer YKH-01                                                                      |
| YKI-02     | RS232-Bluetooth-Adapter YKI-02                                                              |
| YKI-10     | RS232-Ethernet adapter YKI-10 (RS-232 standard, Ethernet, RS-485)                           |
| YKI-11     | RS232-Ethernet adapter YKI-11 (Ethernet, RS-232 standard - 2x)                              |
| YKI-12     | RS232-WiFi adapter YKI-12                                                                   |
| YKT-01     | Needle printer YKT-01                                                                       |
| YPS-03     | Antivibration table YPS-03                                                                  |
| YPS-04     | Anti-vibration plate KERN YPS-04 (400×450×60 mm, 30 kg)                                     |
| YPS-05     | Anti-vibration plate KERN YPS-05 (565×450×60 mm, 42 kg)                                     |

## SOFTWARE

| Model               | Description                                                                    |
|---------------------|--------------------------------------------------------------------------------|
| SCD-4.0-DL          | Software SCD-4.0-DL (Scope of supplies: Download link for 1 license)           |
| SCD-4.0-DLS05       | Software SCD-4.0-DLS05 (Scope of supplies: Download link for 5 licenses)       |
| SCD-4.0-PRO-DL      | Software SCD-4.0-PRO-DL (Scope of supplies: Download link for 1 license)       |
| SCD-4.0-PRO-DL-AS05 | Software SCD-4.0-PRO-DL-AS05 (Scope of supplies: Download link for 5 licenses) |

SERVICES

| Model   | Description                                                                                                      |
|---------|------------------------------------------------------------------------------------------------------------------|
| 963-127 | DAkkS calibration certificate 963-127                                                                            |
| 969-517 | Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517 |
| 970-106 | Warranty extension (+2 years) 970-106                                                                            |

## KERN Pictogram Overview

|                                                                                    |                                                                                                                                                                                                                                               |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | External adjustment: Adjusting accuracy using external adjustment weight                                                                                                                                                                      |
|    | Data interface RS-232: For connection to printers, PCs or other peripheral devices for data transfer over longer distances. Network in bus topology possible                                                                                  |
|    | Piece counting: Reference quantities selectable. Display can be switched from piece to weight                                                                                                                                                 |
|    | Net total: The weight values of the recipe ingredients can be added up and the total weight of the recipe printed out                                                                                                                         |
|    | Sum function: The weight values of weighed items can be added together and the total printed out                                                                                                                                              |
|    | Percentage determination: determining the deviation in % from the target value (100 %)                                                                                                                                                        |
|    | Units can be switched to e.g. non-metric units                                                                                                                                                                                                |
|    | Measuring with tolerance range (checkweighing): Upper and lower limit values can be programmed, e.g. for sorting, portioning or for measuring coatings or material thicknesses. The process is supported by an acoustic and/or optical signal |
|    | Suspended weighing: Load support with hook on the underside of the balance                                                                                                                                                                    |
|   | Universal plug-in power supply: With universal input and optional input socket adapters for EU, CH, GB or EU, CH, GB, US or EU, CH, GB, US, AUS                                                                                               |
|  | Weighing principle tuning fork: A resonating body is electromagnetically excited, causing it to oscillate                                                                                                                                     |
|  | Package shipment by courier service: The duration of internal product provision is one day                                                                                                                                                    |
|  | Accredited calibration (DAkkS): The duration of the accredited calibration is 3 working days                                                                                                                                                  |
|  | Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.                                                                                                                                                     |