PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

09.10.2026

KERN EW 2200-2NM

The classic balance with robust tuning fork measuring system

ENGLISH

CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

+49 7433 9933-0
info@kern-sohn.com
www.kern-sohn.com

ENGLISH

FEATURES

- CAL adjustment program for adjusting precision, external test weights available separately (see test weights)
- Stable temperature behaviour
- Short stabilisation time
- Shock proof construction
- High corner load performance
- Capacity display: A bargraph display lights up to show how much of the weighing range is still available
- Totalising of pieces when counting
- Protective working cover included with delivery

TECHNICAL DATA

- Large LCD display, digit height 17 mm
- Dimensions weighing surface, W×D 180×160 mm, stainless steel
- Overall dimensions 180×235×75 mm
- Net weight approx. 3,0 kg
- Permissible ambient temperature 10 °C/30 °C

MAIN SCOPE OF APPLICATIONS

- Chemists
- Chemical industry
- Gold and precious metals trading
- Cosmetics industry
- Laboratory applications

PICTOGRAMS

Standard

Option

Factory

MODEL OVERVIEW

Model	Weighing capacity [Max]	Readability [d]	Reproducibility	Linearity	Dimensions weighing surface
EW 220-3NM	220 g	0,001 g	0,001 g	± 0,002 g	118 mm

Model	Weighing capacity [Max]	Readability [d]	Reproducibility	Linearity	Dimensions weighing surface
EW 420-3NM	420 g	0,001 g	0,001 g	± 0,003 g	118 mm
EW 620-3NM	620 g	0,001 g	0,001 g	± 0,003 g	118 mm
EW 820-2NM	820 g	0,01 g	0,01 g	± 0,01 g	170×140 mm
EW 2200-2NM	2200 g	0,01 g	0,01 g	± 0,01 g	180×160 mm
EW 4200-2NM	4200 g	0,01 g	0,01 g	± 0,02 g	180×160 mm
EW 6200-2NM	6200 g	0,01 g	0,01 g	± 0,03 g	180×160 mm
EW 12000-1NM	12000 g	0,1 g	0,1 g	± 0,2 g	180×160 mm

ACCESSORIES

Model	Description
315-112-407	Safety set 315-112-407, included weight 100 g (M1); 2000 g (E2)
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
AFH 13	Converter RS232 to USB AFH 13
EG-A06	Rechargeable battery pack EG-A06 (NiMH)
EG-A08	Eyelet for underfloor weighing EG-A08
EG-A09	Protective working cover EG-A09
EG-A09S05	Protective working cover EG-A09S05, scope of delivery: 5 items
REWN-2001_2.0	Board REWN-2001_2.0
YKA-03N	Power adapter YKA-03N (9 V, 300 mA | 100 V - 240 V, 50 / 60 Hz | EURO, UK, US, CH)
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)

Model	Description
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
970-105	Warranty extension (+2 years) 970-105

KERN Pictogram Overview

	External adjustment: Adjusting accuracy using external adjustment weight
RS 232	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
%	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
	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
1 DAY	Package shipment by courier service: The duration of internal product provision is one day
	Suspended weighing: Load support with hook on the underside of the balance
DAkkS	Accredited calibration (DKD): The duration of the accredited calibration is 3 working days
	Rechargeable battery pack: Rechargeable set

ENGLISH