BALANCES & TEST SERVICE 2024

School balances

School Balance KERN EMB-V











School balance with integrated density determination function

Features

- Easy density determination: Thanks to the selfexplanatory, graphic-assisted control panel, the density of solids and liquids can be determined in seconds, making them ideal for use in schools and universities. Note: Balance and appropriate set for density determination should be ordered at the same time, see *Accessories*
- Hook for underfloor weighing standard
- Self-explanatory, graphic control panel, the workings steps can be understood immediately, even without operating instructions
 - no learning time = reduces costs
- ideal for untrained users
- visualised process avoids operating errors
- The 4 steps are carried out from left to right:
 Tare the balance by pressing the [TARE] key
 Select density determination mode

(solids/liquids)

- Weighing of samples/plummets in air
 Weighing of samples/plummets in liquid.
 The density will be shown on the display right away
- Particularly flat design

Technical data

- · Large LCD display, digit height 15 mm
- Dimensions weighing surface, plastic
- A Ø 82 mm
- Ø 150 mm, see larger picture
- Overall dimensions W×D×H 175×250×55 mm
- Batteries included, 9 V block, operating time up to 12 h, AUTO-OFF function preserves the battery
- Net weight approx. 0,85 kg
- + Permissible ambient temperature 5 $^{\circ}\text{C}/35$ $^{\circ}\text{C}$
- Also with carat weighing unit: EMB 200-3V: [Max] 1000 ct/ [d] 0,005 ct
 EMB 2000-2V: [Max] 10000 ct/ [d] 0,05 ct

Accessories

- KERN EMB 200-3V:
- Ancillary kit for density determination of liquids and solids with density > 1. Scope of supplies: Bridge for holding the beaker (Ø 102 mm), hook (H 139 mm), KERN YDB-04
- Set for density determination of liquids and solids with density ≤/≥ 1. Scope of delivery: Weighing plate, beaker (Hר 71×51 mm), sample holder, plummet, KERN YDB-01
- DAkkS-Calibration certificate for the plummet (20 g), KERN 962-335V

KERN EMB 2000-2V:

- Set for density determination of liquids and solids with density ≤/≥ 1. Scope of delivery: Weighing plate, beaker (Hר 135×100 mm), sample holder, plummet KERN YDB-02
- DAkkS-Calibration certificate for the plummet (200 g), KERN 962-338V
- Thermometer, KERN YDB-A03



Model	Weighing capacity	Readability	Reproducibility	Linearity	Weighing plate	Options DAkkS Calibr. Certificate
KERN	[Max] g	[d] g	g	g		DAkkS Canbi. Certificate DAkkS KERN
EMB 200-3V	200	0,001	0,002 g	± 0,005	Α	963-127
EMB 2000-2V	2000	0,01	0,02 g	± 0,05	В	963-127



📙 Dipl.-Ing. Matthias Schniebel · Pfarrgasse 1 · 01920 Elstra · Germany · Tel. +49 (35793) 395190 · schniebel.com · info@schniebel.com

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Interface for second

second balance

Protocol (KCP)

It is a standardized

Network interface

an Ethernet network

KERN Communication

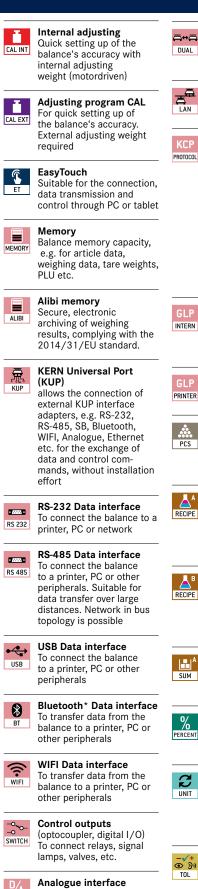
interface command set for

For direct connection of a

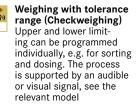
For connecting the scale to

balance

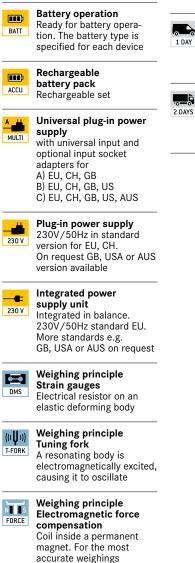
KERN Pictograms

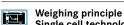












Single cell technology Advanced version of the force compensation principle with the highest level of precision

Conformity Assessment Μ The time required for +3 DAYS conformity assessment is specified in the pictogram

DAkkS calibration DAkkS

possible (DKD) The time required for DAkkS calibration is shown in days in the pictogram



+3 DAYS

Factory calibration (ISO) The time required for Factory calibration is shown in days in the pictogram

Package shipment

The time required for internal shipping preparations is shown in days in the pictogram

Pallet shipment

The time required for 2 DAYS internal shipping preparations is shown in days in the pictogram

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ANALOG

to connect a suitable

peripheral device for analogue processing of the measurements