

KERN EMB 200-3V

KERN

School balance with integrated density determination function



Category

Brand	KERN
Product category	Laboratory balance
Product group	School balance
Product family	EMB-V

Measuring System

Construction type of the scale	Single-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	200 g
Weighing capacity [Max] (ct)	1000 ct
Readability [d]	0,001 g
Readability carat [d] (ct)	0,005 ct
Resolution	200.000
Linearity	± 0,005 g
Reproducibility	0,002 g
Default unit	g
Units	g ct
Adjustment options	Adjusting with external weight
Recommended adjusting weight	200 g (F1)
Stabilization time	2,5 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,005 g
Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 mg

Approval

CE mark	✓
---------	---

Display

Display type	LCD
Display backlight	✓
Display digit height	15 mm

Construction

Dimension housing (W×D×H)	175×250×55 mm
Material housing	plastic
Material weighing plate	plastic
Dimensions weighing surface (Ø)	82 mm

Functions

Number of keys for operation	9
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min
Tare function	manual (multi)
Density determination	✓
Underfloor weighing	Hook (included in delivery)
Interfaces	RS-232 standard

Power Supply

Input voltage power supply / power [Max]	230 V AC, 50 Hz
Input voltage device / power [Max]	9 V, 300 mA
Plug-in power supply type	Power adapter
Supplied power supply	Power supply & battery included
Plug-in power supply / adapter for countries - included with the delivery	EURO UK US CH
Plug-in power supply / adapter for countries - optional	US
Rechargeable battery optional	Rchrg. battery optional
Rechargeable battery charging time	10 h
Rechargeable battery operating time - backlight off	50 h
Battery	9 V block
Battery / accumulator type	Alkali(-Manganese)
Battery voltage	9 V
Battery operating time	12 h

Environmental conditions

Humidity of environment [Min]	5 %
Humidity of environment [Max]	80 %
Ambient temperature [Min]	5 °C

KERN EMB 200-3V



School balance with integrated density determination function

Ambient temperature [Max]	35 °C
Storage temperature [Min]	-10 °C
Storage temperature [Max]	40 °C

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	220×290×150 mm
Net weight	0,835 kg
Shipping method	Parcel service
Net weight approx.	0,85 kg
Gross weight approx.	1,6 kg
Shipping weight	1,9 kg

Services (optional)

Article number for DAkkS calibration	963-127
Article number for certificate of conformity (verification)	969-517

Pictograms

STANDARD



OPTION

