

KERN FES 33K-4

KERN

High-capacity precision balance with password-protected user administration



Category

Brand	KERN
Product category	Laboratory balances
Product group	Precision balances

Measuring System

Readability [d]	0,1 g
Readability carat [d] (ct)	0,5 ct
Weighing capacity [Max]	33000 g
Minimum weight [Min] (ct)	25 ct
Weighing capacity [Max] (ct)	165000 ct
Eccentric loading at 1/3 [Max]	0,3 g
Minimum weight [Min]	5 g
Reproducibility	0,1 g
Linearity	± 0,3 g
Weighing system	Tuning fork
Resolution	330.000
Tare range	33000 g
Units	kg g dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct lb oz tol
Default unit	g
Stabilization time	3 s
Warm-up time	120 min
Adjustment options	Adjusting with external weight
Recommended adjusting weight	20 kg (E2); 10 kg (E2)

Approval

CE mark	✓
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Display

Display type	LCD
Display digit height	16,5 mm
Display backlight	✓
Display screen size	172×58 mm
Languages of the user interface	English

Construction

Dimension display device (W×D×H)	290×180×60 mm
Dimension housing (W×D×H)	350×520×170 mm
Dimensions weighing platform (W×D×H)	400×350×150 mm
Dimensions weighing surface (W×D)	350×400 mm
Material housing	stainless steel, cast iron
Material display housing	stainless steel
Material weighing plate	stainless steel
Material platform	Stainless steel
Stand height	710 mm
Wall mount	✓
Display device cable length	1 m
Levelling feet adjustable	✓

Functions

Number of keys for operation	9
Capacity display	✓
PreTare function	✓
Tare function	manual (multi)
Percentage determination	✓
Counting function	✓
Tolerance weighing	✓
Underfloor weighing	Hook (optional)
Interfaces	Digital I/O (optional, factory) RS-232 standard - 2x
IP protection - complete device	IP65
IP protection - display	IP65
IP protection - load cell	IP65
IP protection - platform	IP65

Counting

Smallest piece weight when piece counting - laboratory conditions	100 mg
Smallest piece weight when piece counting - normal conditions	1 g
Reference quantity	5, 10, 30, 50, 100, n (any number of pieces)

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Counting resolution (laboratory conditions) 330.000

Power Supply

Input voltage power supply / power [Max]	100 V - 240 V AC, 50 / 60 Hz
Input voltage device / power [Max]	12 V, 1.0 A
Plug-in power supply type	Power adapter
Supplied plug-in power supply	Power supply unit
Plug-in power supply / adapter for countries - included with the delivery	EURO AUS UK US
Plug-in power supply / adapter for countries - optional	EURO AUS UK US CH
Rechargeable battery charging time	12 h
Rechargeable battery operating time - backlight off	10 h

Environmental conditions

Humidity of environment [Max]	80 %
Ambient temperature [Min]	5 °C
Ambient temperature [Max]	35 °C

Packing & Shipping

Readability force [d] (N)	1 d
Shipping method	Parcel service
Dimensions packaging (W×D×H)	490×830×430 mm
Net weight approx.	18 kg
Gross weight approx.	26 kg

Services (optional)

Article number for DAkkS calibration	963-128
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Piktogramme

STANDARD



OPTION

