

KERN 440-49A

The classic balance in the laboratory

KERN



Kategorie

Brand	KERN
Product category	Laboratory balance
Product group	Precision balance
Product family	440

Measuring System

Construction type of the scale	Single-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	6000 g
Readability [d]	0,1 g
Resolution	60.000
Linearity	± 0,3 g
Reproducibility	0,1 g
Default unit	g

Units	kg
	g
	dwt
	tl (Tw)
	tl (HK)
	ozt
	mo
	lb
	oz
	ffa
tol	

Adjustment options	Adjusting with external weight
Recommended adjusting weight	5 kg (F2)
Possible calibration points	1 kg; 2 kg; 5 kg; 6 kg
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,3 g
Maximum creep (15 minutes)	1 g

Maximum creep (30 minutes)	2 g
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Approval

CE mark	✓
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Display

Display type	LCD
Display backlight	✓
Display digit height	15 mm

Construction

Dimension housing (W×D×H)	165×230×80 mm
Material housing	plastic
Material weighing plate	stainless steel
Dimensions weighing surface (W×D)	150×170 mm

Functions

Number of keys for operation	5
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min off
Tare function	manual (multi)
Percentage determination	✓
Counting function	✓
Function for averaging under unstable weighing conditions	✓
Recipe/summing level	Rez A (Net total)
Underfloor weighing	Hook (optional)
Interfaces	RS-232 standard

Counting

Smallest piece weight when piece counting - laboratory conditions	200 mg
Smallest piece weight when piece counting - normal conditions	2 g
Reference quantity	5, 10, 20, 25, 50
Counting resolution (laboratory conditions)	30.000

Power Supply

Input voltage power supply / power [Max]	100 - 240 V AC 50/60 Hz 0.5 A
Input voltage device / power [Max]	9 V, 300 mA
Supplied power supply	Power supply unit
Plug-in power supply / adapter for countries - included with the delivery	EURO UK US CH

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Plug-in power supply / adapter for countries - optional	EURO UK US CH
Rechargeable battery optional	Rchrg. battery optional
Rechargeable battery charging time	10 h
Rechargeable battery operating time - backlight off	20 h
Battery	9 V block
Battery / accumulator type	NiMH
Battery connection	9V Bloc
Battery operating time	20 h

Environmental conditions	
Humidity of environment [Max]	80 %
Ambient temperature [Min]	5 °C
Ambient temperature [Max]	35 °C
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Packing & Shipping	
Readability force [d] (N)	1 d
Shipping method	Parcel service
Dimensions packaging (W×D×H)	345×210×170 mm
Net weight approx.	1,2 kg
Gross weight approx.	1,6 kg
Shipping weight	2,5 kg

Services (optional)	
Article number for adjustment at the location of installation	961-248
Article number for DAkkS calibration	963-128
Article number for certificate of conformity (verification)	969-517

Pictograms

STANDARD



OPTION

