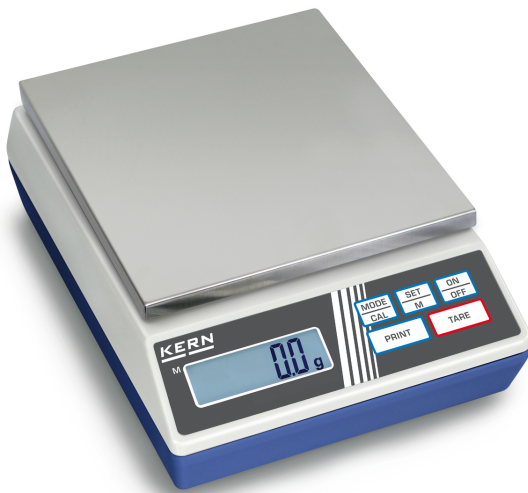


KERN 440-51N

The classic balance in the laboratory



Category

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]	4000 g
Readability [d]	1 g
Resolution	4.000
Linearity	± 2 g
Reproducibility	1 g
Default unit	g

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

Adjustment options	Adjusting with external weight
Recommended adjusting weight	2 kg (M2); 2 kg (M2)
Possible calibration points	1 kg; 2 kg; 3 kg; 4 kg
Stabilization time	2 s
Warm-up time	10 min
Eccentric loading at 1/3 [Max]	3 g
Maximum creep (15 minutes)	4 g

Maximum creep (30 minutes)	8 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
Dimensions weighing platform (W×D×H)	153×172×80 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	2 g
Smallest piece weight when piece counting - normal conditions	20 g
Reference quantity	5, 10, 20, 25, 50
Counting resolution (laboratory conditions)	2.000

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

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Plug-in power supply / adapter for countries - included with the delivery	EURO UK US CH
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
Dimensions packaging (W×D×H)	347×207×170 mm
Net weight	1,121 kg
Shipping method	Parcel service
Net weight approx.	1,2 kg
Gross weight approx.	1,8 kg
Shipping weight	2,4 kg

Services (optional)

Article number for adjustment at the location of installation	961-247
Article number for DAkkS calibration	963-127
Article number for certificate of conformity (verification)	969-517

Pictograms

STANDARD



OPTION

