KERN **440-47N**

The classic balance in the laboratory



Date of creation: 02.10.2026

Category

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

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	2000 g
USP Minimum weight of sample (k = 2, U = 0.1%)	200 g
Readability [d]	0,1 g
Reproducibility	0,1 g
Linearity	± 0,2 g
Resolution	20.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	2 kg (M1)
Possible calibration points	500 g; 1 kg; 1,5 kg; 2 kg
Stabilization time	3 s
Eccentric loading at 1/3 [Max]	0,3 g
Construction type of the scale	Single-range balance
Units	g dwt tl (Tw) tl (HK) ozt mo lb oz
	ffa tol
Maximum creep (15 minutes)	400 mg
Maximum creep (30 minutes)	800 mg
Default unit	g
Warm-up time	30 min

Display

Display type	LCD
Display backlight	✓
Display digit height	15 mm

Construction

Dimension housing (W×D×H)	165×230×80 mm
Dimensions weighing surface (W×D)	130×130 mm
Dimensions weighing surface	130×130 mm
Material housing	plastic
Material weighing plate	stainless steel

Functions

Percentage determination	✓
Function for averaging under unstable weighing conditions	✓
Counting function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min off
Tare function	manual (multi)
Underfloor weighing	Hook (optional)
Counting resolution (laboratory conditions)	10.000
Smallest piece weight when piece counting - laboratory conditions	200 mg
Reference quantity	5, 10, 20, 25, 50
Recipe/summing level	Rez A (Net total)
Number of keys for operation	5
Smallest piece weight when piece counting - normal conditions	2 g

Interface

Interfaces	RS-232 standard

Power Supply

Supplied power supply	Power supply & battery function (battery not included)

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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
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
Power socket for mains adapter	Hollow plug, inside minus, Ø inside 2,1 mm, Ø outside 5,5 mm, long 12 mm
Battery / accumulator type	NiMH
Battery	9 V block
Battery connection	9V Bloc
Battery operating time	20 h
Rechargeable battery	FCB-A01
Rechargeable battery operating time - backlight off	20 h
Rechargeable battery charging time	10 h
Rechargeable battery optional	Rchrg. battery optional

Environmental conditions

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

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	969-517

Packing & Shipping

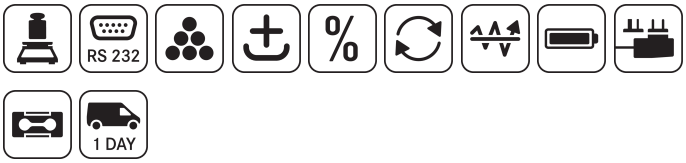
Delivery time	1 d
Dimensions packaging (W×D×H)	348×212×178 mm
Shipping method	Parcel service
Net weight approx.	1,2 kg
Gross weight approx.	1,6 kg
Shipping weight	2,6 kg
Shipping volume weight	2,6 kg

Product information

GTIN/EAN number	4045761013063
Trade number	84238129
Warranty Time	24 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

