KERN **440-43N**

The classic balance in the laboratory

Category	
Brand	KERN
Product categoriy	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]	400 g
Readability [d]	0,1 g
Reproducibility	0,1 g
Linearity	± 0,2 g
USP Minimum weight of sample (k = 2, U = 0.1%)	200 g
Resolution	4.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	200 g (M2); 200 g (M2)
Possible calibration points	100 g; 200 g; 300 g; 400 g
Stabilization time	3 s
Warm-up time	10 min
Eccentric loading at 1/3 [Max]	0,3 g
Maximum creep (15 minutes)	400 mg
Maximum creep (30 minutes)	800 mg
Default unit	g
Units	g dwt tl (Tw) tl (HK) ozt mo lb oz ffa tol

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	
Recipe/summing level	Rez A (Net total)
Percentage determination	✓
Underfloor weighing	Hook (optional)
Function for averaging under unstable weighing conditions	✓
Counting function	✓
Counting resolution (laboratory conditions)	2.000
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
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min off
Tare function	manual (multi)
Number of keys for operation	5

Interface	
Interfaces	RS-232 standard

Power Supply	
Supplied power supply	Power supply unit
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

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	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
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

Approval

CE mark	✓

Services (optional)

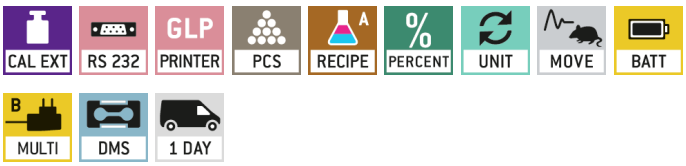
Article number for adjustment at the location of installation	961-247
Article number for DAkkS calibration	963-127
Article number for certificate of conformity	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	205×345×175 mm
Shipping method	Parcel service
Net weight approx.	1,2 kg
Gross weight approx.	1,6 kg
Shipping weight	2,5 kg

Pictograms

STANDARD



OPTION