

# KERN 440-33N

The classic balance in the laboratory

# KERN



ct  
mo  
lb  
oz  
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 (Ø)	105 mm
Dimensions weighing surface	105 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)	10.000
Smallest piece weight when piece counting - laboratory conditions	20 mg
Smallest piece weight when piece counting - normal conditions	200 mg
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

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]	200 g
Readability [d]	0,01 g
Reproducibility	0,01 g
Linearity	± 0,02 g
USP Minimum weight of sample (k = 2, U = 0.1%)	20 g
Resolution	20.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	200 g (M1)
Possible calibration points	50 g; 100 g; 150 g; 200 g
Stabilization time	3 s
Warm-up time	30 min
Eccentric loading at 1/3 [Max]	0,03 g
Maximum creep (15 minutes)	40 mg
Maximum creep (30 minutes)	80 mg
Default unit	g

g  
gn  
dwt  
tl (Tw)  
tl (HK)  
ozt

Units

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## Pictograms

### STANDARD



### OPTION



	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
Humidity of environment [Max]	80 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

### Approval

CE mark	✓
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### 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)	210×350×175 mm
Shipping method	Parcel service
Net weight approx.	1,00 kg
Gross weight approx.	1,4 kg
Shipping weight	2,6 kg