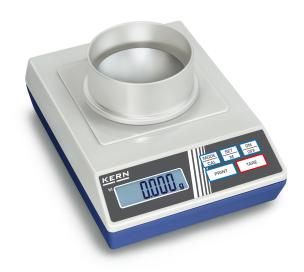
KERN **440-21A**

The classic balance in the laboratory





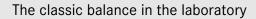
Category	
Brand	KERN
Product categoriy	Laboratory balance
Product group	Precision balance
Product family	440

Measuring System	
Construction type of the scale	Single-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	60 g
Readability [d]	0,001 g
Resolution	60.000
Linearity	± 0,003 g
Reproducibility	0,001 g
Default unit	g
Units	g gn dwt tl (Tw) tl (HK) ozt ct mo oz tol
Adjustment options	Adjusting with external weight
Recommended adjusting weight	50 g (F2)
Possible calibration points	10 g; 20 g; 40 g; 50 g; 60 g
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,003 g
Maximum creep (15 minutes)	10 mg

Maximum creep (30 minutes)	20 mg
Approval	
CE mark	✓
Display	
Display type	LCD
Display backlight	✓
Display digit height	15 mm
Construction	
Dimension housing (W×D×H)	165×230×80 mm
Dimensions ring-shaped draught shield - inner (Ø×H)	90×40 mm
Dimensions ring-shaped draught shield - outer (Ø×H)	106×42 mm
Dimensions completely mounted (W×D×H)	165×230×123 mm
Material housing	plastic
Material weighing plate	plastic, with conductive lacquer
Material draught shield	plastic
Dimensions weighing surface (Ø)	81 mm
Functions	
Functions Number of keys for operation	5
Number of keys for operation Auto-off interval(s) in battery	3 min
Number of keys for operation Auto-off interval(s) in battery mode/rechargeable battery mode	3 min off
Number of keys for operation Auto-off interval(s) in battery mode/rechargeable battery mode Tare function	3 min
Number of keys for operation Auto-off interval(s) in battery mode/rechargeable battery mode Tare function Percentage determination	3 min off manual (multi)
Number of keys for operation Auto-off interval(s) in battery mode/rechargeable battery mode Tare function Percentage determination Counting function	3 min off
Number of keys for operation Auto-off interval(s) in battery mode/rechargeable battery mode Tare function Percentage determination	3 min off manual (multi)
Number of keys for operation Auto-off interval(s) in battery mode/rechargeable battery mode Tare function Percentage determination Counting function Function for averaging under	3 min off manual (multi)
Number of keys for operation Auto-off interval(s) in battery mode/rechargeable battery mode Tare function Percentage determination Counting function Function for averaging under unstable weighing conditions	3 min off manual (multi)
Number of keys for operation Auto-off interval(s) in battery mode/rechargeable battery mode Tare function Percentage determination Counting function Function for averaging under unstable weighing conditions Recipe/summing level	3 min off manual (multi)
Number of keys for operation Auto-off interval(s) in battery mode/rechargeable battery mode Tare function Percentage determination Counting function Function for averaging under unstable weighing conditions Recipe/summing level Underfloor weighing	3 min off manual (multi) ✓ ✓ Rez A (Net total) None
Number of keys for operation Auto-off interval(s) in battery mode/rechargeable battery mode Tare function Percentage determination Counting function Function for averaging under unstable weighing conditions Recipe/summing level Underfloor weighing Interfaces	3 min off manual (multi) ✓ ✓ Rez A (Net total) None
Number of keys for operation Auto-off interval(s) in battery mode/rechargeable battery mode Tare function Percentage determination Counting function Function for averaging under unstable weighing conditions Recipe/summing level Underfloor weighing Interfaces Counting Smallest piece weight when piece	3 min off manual (multi) ✓ ✓ Rez A (Net total) None RS-232 standard
Number of keys for operation Auto-off interval(s) in battery mode/rechargeable battery mode Tare function Percentage determination Counting function Function for averaging under unstable weighing conditions Recipe/summing level Underfloor weighing Interfaces Counting Smallest piece weight when piece counting - laboratory conditions Smallest piece weight when piece	3 min off manual (multi)

1

KERN 440-21A





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
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	
Humity 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)	410×270×220 mm
Net weight	0,93 kg
Shipping method	Parcel service
Net weight approx.	0,95 kg
Gross weight approx.	1,4 kg
Shipping weight	4,9 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



MULTI DMS 1 DAY