KERN **ABT 220-5DNM**

The premium model with single-cell weighing system

Category

Brand	KERN
Product categoriy	Laboratory balance
Product group	Analytical balance
Product family	ABT

Measuring System

Automatic adjustment - Standard temperature deviation	0,5 °C
Weighing system	Single-Cell
Weighing capacity [Max]	82 g; 220 g
Automatic adjustment - Standard time interval	4 h
Readability [d]	0,00001 g; 0,0001 g
Reproducibility	0,00005 g; 0,0001 g
typical reproducibility	0,000007 g
Linearity	± 0,0001 g; 0,0002 g
Resolution	8.200.000, 2.200.000
Tare range	220 g
Adjustment options	Internal calibration (automatic) Adjusting with internal weight (manual)
Stabilization time	10 s; 4 s
Warm-up time	8 h; 8 h
Eccentric loading at 1/3 [Max]	0,00012 g; 0,0003 g
USP Minimum weight of sample (k = 2, U = 0.1%)	100 mg
typical USP Minimum weight of sample	14 mg
Construction type of the scale	Multi-range balance
Units	g ct
Default unit	g

Display

Display type	LCD
Display digit height	14 mm

Construction

Dimension housing (W×D×H)	215×340×335 mm
Dimensions rectangular draught shield - inner (W×D×H)	168×172×223 mm
Dimensions rectangular draught shield - outer (W×D×H)	200×240×260 mm
Dimensions weighing surface (Ø)	80 mm
Dimensions weighing surface	80 mm
Material housing	metal
Material weighing plate	stainless steel
Material draught shield	glass
Material display housing	plastic
Level indicator	✓
Levelling feet adjustable	✓

Functions

Sum memory function	✓
Recipe/summing level	Rez A (Net total)
Percentage determination	✓
Density determination	✓
Underfloor weighing	Hook (included in delivery)
Function for averaging under unstable weighing conditions	✓
Capacity - Display	✓
Standby function	✓
Counting function	✓
Counting resolution (laboratory conditions)	220.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	1 mg
Smallest piece weight when piece counting - normal conditions	10 mg
Reference quantity	10, 20, 50, 100
Tare function	manual (multi)
Number of keys for operation	6

Interface

Interfaces	RS-232 standard

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Power Supply	
Supplied power supply	Power supply unit
Power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO AUS UK US CH
Plug-in power supply / adapter for countries - optional	EURO AUS UK US CH
Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
Input voltage device / power [Max]	12 V DC, 1000 mA
Power socket for mains adapter	Hollow plug, inside minus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 9,5 mm

Environmental conditions	
Ambient temperature [Min]	10 °C
Ambient temperature [Max]	30 °C
Humity of environment [Max]	80 %
Storage temperature [Min]	-10 °C
Storage temperature [Max]	50 °C

Approval	
CE mark	✓

Services (optional)	
Article number for DAkkS calibration	963-101
Article number for certificate of conformity	969-517

Packing & Shipping	
Delivery time	1 d
Dimensions packaging (W×D×H)	430×685×650 mm
Shipping method	Parcel service
Net weight approx.	8 kg
Gross weight approx.	13 kg
Shipping weight	38,3 kg

Product information	
GTIN/EAN number	4045761185555
REACH classification	no prohibited substances

Pictograms

STANDARD

OPTION