KERN **DAB 200-2IR**

Particularly user-friendly moisture analyzer with high-quality infrared quartz glass heater – ideal for recurring rapid tests



Category

Brand	KERN
Product category	Laboratory balance
Product group	Moisture analyzer
Product family	DAB

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	200 g
USP Minimum weight of sample (k = 2, U = 0.1%)	20 g
Readability [d]	0,01 g
Reproducibility	0,01 g
Linearity	± 0,03 g
Resolution	20.000
Tare range	200 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	200 g (F2)
Possible calibration points	200 g
Stabilization time	3 s
Eccentric loading at 1/3 [Max]	0,05 g
Reproducibility weight of sample 10 g	0,3%
Temperature increment	1 °C
Construction type of the scale	Single-range balance
Reproducibility weight of sample 2 g	1,5%
Units	g % Humidity % Dry mass
Units (if device is conformity assessed)	g
Temperature [Min] (°C)	40 °C
Temperature [Max] (°C)	160 °C
Readability moisture [d] (%)	0,05%
Load cell connection	4-wire
Maximum creep (15 minutes)	40 mg
Maximum creep (30 minutes)	80 mg
Default unit	g

Display

Display type	graphic
Display backlight	✓
Display screen size	5.4"
Display segments	7
Display digit height - smallest digit	6 mm
Display digit height	14 mm

Construction

Dimensions completely mounted (W×D×H)	240×365×180 mm
Dimensions weighing surface (Ø)	92 mm
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Material housing	cast aluminium, plastic
Material weighing plate	aluminium sample plates
Material load cell(s)	aluminium
Material substructure	plastic
Level indicator	✓
Levelling feet adjustable	✓
Heat generation capacity (W)	400

Functions

Drying modes	Standard drying Rapid drying Gentle drying
Memory - number of drying programs	15
Switch-off criteria	time controlled automatic manual
Memory function	✓
Memory - number of results	5
Memory - number of sample (descriptions)	5
Auto-off interval(s) in mains power mode	off
Tare function	manual (multi)
Number of keys for operation	9

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Interface

Interfaces	RS-232 standard

Power Supply

Supplied power supply	Power supply unit
Power supply type	Built-in power supply
Plug-in power supply / adapter for countries - optional	UK
Input voltage power supply / power [Max]	230 V AC, 50 Hz
Power supply cable removable	removable
Input voltage device / power [Max]	230 V AC, 50 Hz
Power socket for mains adapter	Power supply cable
Battery	no battery

Environmental conditions

Ambient temperature [Min]	5 °C
Ambient temperature [Max]	40 °C
Humity of environment [Min]	5 %
Humity of environment [Max]	80 %

Approval

CE mark	✓

Services (optional)

Article number for DAkkS calibration	963-127
Article number for factory calibration (temperature)	964-305
Article number for certificate of conformity	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	490×350×360 mm
Shipping method	Parcel service
Net weight approx.	5,0 kg
Gross weight approx.	8 kg
Shipping weight	12,3 kg
Shipping volume weight	12,3 kg

Product information

GTIN/EAN number	4045761226302
Trade number	90160010
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

