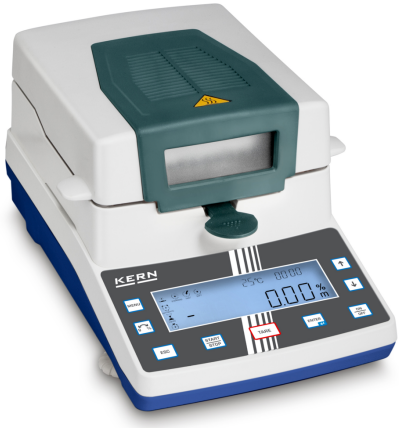
KERN **DAB 200-2IR**

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



Date of creation: 01.07.2026

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
Dimensions weighing surface	92 mm
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

KERN **DAB 200-2IR**

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

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