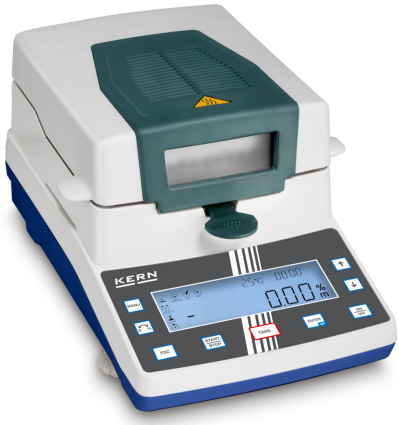
KERN **DAB 100-3IR**

Particularly user-friendly moisture analyzer with high-quality infrared quartz glass heater



Date of creation: 24.10.2026

Category

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

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	110 g
USP Minimum weight of sample (k = 2, U = 0.1%)	2 g
Readability [d]	0,001 g
Reproducibility	0,001 g
Linearity	± 0,003 g
Resolution	110.000
Tare range	110 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	100 g (F2)
Possible calibration points	100 g
Stabilization time	3 s
Eccentric loading at 1/3 [Max]	0,005 g
Reproducibility weight of sample 10 g	0,03%
Temperature increment	1 °C
Construction type of the scale	Single-range balance
Reproducibility weight of sample 2 g	0,15%

Units	g % Humidity % Dry mass
Temperature [Min] (°C)	40 °C
Temperature [Max] (°C)	160 °C
Readability moisture [d] (%)	0,01%
Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 mg
Default unit	g
Temperature calibration points	100 °C;160 °C
Warm-up time	120 min
Possible moisture content of the sample	20% - 100%
Possible dry content of the sample	100% - 20%

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
Level indicator	✓
Levelling feet adjustable	✓
Heat generation capacity (W)	400

Functions

Auto-off interval(s) in mains power mode	off
Tare function	manual (multi)
Memory function	✓
Memory - number of drying programs	15
Memory - number of results	5
Memory - number of sample (descriptions)	5
Number of keys for operation	9

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Drying modes	Standard drying Rapid drying Gentle drying
Switch-off criteria	time controlled automatic manual

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 - included with the delivery	EURO
Plug-in power supply / adapter for countries - optional	UK CH
Input voltage power supply / power [Max]	230 V AC, 50 Hz
Input voltage device / power [Max]	230 V AC, 50 Hz
Power socket for mains adapter	Power supply cable

Environmental conditions

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

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)	490×350×350 mm
Shipping method	Parcel service
Net weight approx.	5,0 kg
Gross weight approx.	8 kg
Shipping weight	12 kg
Shipping volume weight	12 kg

Product information

GTIN/EAN number	4045761226319
Trade number	90160010
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

