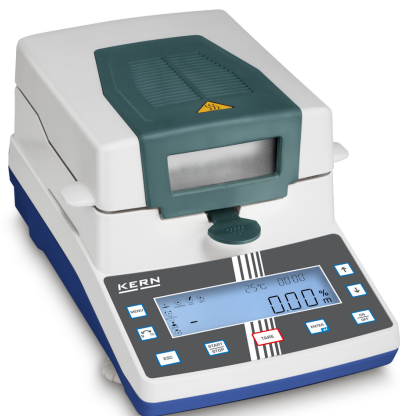


KERN DAB 100-3IR

KERN

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



Category

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

Measuring System

Readability moisture [d] (%)	0,01%
Weighing system	Strain gauge
Weighing capacity [Max]	110 g
Readability [d]	0,001 g
Resolution	110.000
Linearity	± 0,003 g
Reproducibility	0,001 g
Tare range	110 g
Units	g % Humidity % Dry mass
Adjustment options	Adjusting with external weight
Recommended adjusting weight	100 g (F2)
Possible calibration points	100 g
Temperature calibration points	100 °C; 160 °C
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,005 g
USP Minimum weight of sample (k = 2, U = 0.1%)	2 g
Default unit	g
Temperature [Max] (°C)	160 °C
Temperature [Min] (°C)	40 °C
Reproducibility weight of sample 2 g	0,15%

Reproducibility weight of sample 10 g	0,03%
Maximum creep (30 minutes)	20 mg
Temperature increment	1 °C
Construction type of the scale	Single-range balance
Maximum creep (15 minutes)	10 mg

Approval

CE mark	✓
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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
Material housing	cast aluminium, plastic
Material weighing plate	aluminium sample plates
Dimensions weighing surface (Ø)	92 mm
Levelling feet adjustable	✓
Level indicator	✓
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

Power Supply

Supplied power supply	Power supply unit
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Plug-in power supply type Built-in power supply

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

Environmental conditions

Ambient temperature [Min] 5 °C

Ambient temperature [Max] 40 °C

Humidity of environment [Min] 5 %

Humidity of environment [Max] 80 %

Packing & Shipping

Delivery time 1 d

Dimensions packaging (W×D×H) 490×350×350 mm

Net weight 4,82 kg

Shipping method Parcel service

Net weight approx. 5,0 kg

Gross weight approx. 8 kg

Shipping weight 12 kg

Services (optional)

Article number for DAkkS
calibration 963-127

Article number for factory
calibration (temperature) 964-305

Article number for certificate of
conformity (verification) 969-517

Interface

Interfaces RS-232 standard

Pictograms

STANDARD



OPTION



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