

KERN DLB 160-3A

KERN

Moisture analyser with intuitive graphic display and step-by-step user guidance in 6 languages



Category

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

Measuring System

Construction type of the scale	Single-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	160 g
Readability [d]	0,001 g
Readability moisture [d] (%)	0,01%
Temperature increment	1 °C
Reproducibility	0,001 g
Reproducibility weight of sample 2 g	0,15%
Reproducibility weight of sample 10 g	0,05%
Linearity	± 0,003 g
USP Minimum weight of sample (k = 2, U = 0.1%)	2 g
Minimum weight [Min]	0,02 g
Resolution	160.000
Tare range	160 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	100 g (E2)
Possible calibration points	100 g
Temperature calibration points	80 °C; 150 °C
Stabilization time	4 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,005 g
Maximum creep (15 minutes)	10 mg

Maximum creep (30 minutes)	20 mg
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Default unit	g
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Units	g mg % rH % Dry mass
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Temperature [Min] (°C)	35 °C
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Temperature [Max] (°C)	160 °C
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Display

Display type	LCD graphic
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Display backlight	✓
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Display screen size	132×38 mm
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Display digit height - smallest digit	4 mm
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Display digit height	11 mm
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Languages of the user interface	German English French Spanish Italian Portuguese
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Construction

Dimension housing (W×D×H)	215×345×235 mm
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Dimensions weighing surface (Ø)	100 mm
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Material housing	plastic
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Material display housing	Plastics
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Level indicator	✓
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Levelling feet adjustable	✓
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Heat generation capacity (W)	400
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Functions

Standby function	✓
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Drying modes	Standard drying Rapid drying
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Switch-off criteria	time controlled automatic manual
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Tare function	manual (multi)
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Number of keys for operation	6
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Interface

Interfaces	RS-232 standard
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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 EURO countries - optional	CH
Input voltage power supply / power [Max]	220 V - 240 V AC; 50 Hz, 60 Hz

Environmental conditions

Ambient temperature [Min]	5 °C
Ambient temperature [Max]	35 °C
Humidity of environment [Min]	45 %
Humidity of environment [Max]	75 %

Approval

CE mark	✓
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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

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	280×450×400 mm
Net weight	4,7 kg
Shipping method	Parcel service
Net weight approx.	4,8 kg
Gross weight approx.	7 kg
Shipping weight	10,1 kg

Pictograms

STANDARD



OPTION

