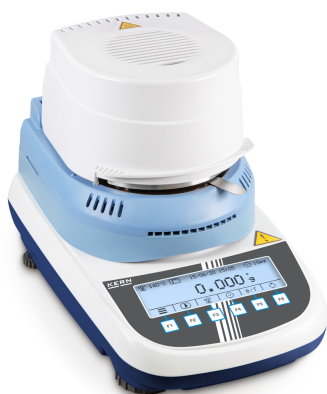


KERN DLB 160-3A



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
Temperature [Min] (°C)	35 °C
Temperature [Max] (°C)	160 °C
Readability [d]	0,001 g
Resolution	160.000
Linearity	± 0,003 g
Reproducibility	0,001 g
Reproducibility weight of sample 2 g	0,15%
Reproducibility weight of sample 10 g	0,05%
Tare range	160 g
Default unit	g
Units	g mg % rH % Dry mass
Minimum weight [Min]	0,02 g
USP Minimum weight of sample (k = 2, U = 0.1%)	2 g
Temperature increment	1 °C
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
Readability moisture [d] (%)	0,01%

Approval

CE mark	✓
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Display

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

Construction

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

Functions

Number of keys for operation	6
Tare function	manual (multi)
Standby function	✓
Interfaces	RS-232 standard
Drying modes	Standard drying Rapid drying time controlled
Switch-off criteria	automatic manual

Power Supply

Input voltage power supply / power [Max]	220 V - 240 V AC; 50 Hz, 60 Hz
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Plug-in power supply type	Built-in power supply
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Supplied power supply	Power supply unit
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Plug-in power supply / adapter for countries - optional	EURO CH
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Environmental conditions

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

Readability force [d] (N)	1 d
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Dimensions packaging (W×D×H)	280×450×400 mm
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Net weight	4,7 kg
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Shipping method	Parcel service
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Net weight approx.	4,8 kg
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Gross weight approx.	7 kg
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Shipping weight	10,1 kg
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Services (optional)

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

STANDARD



OPTION

