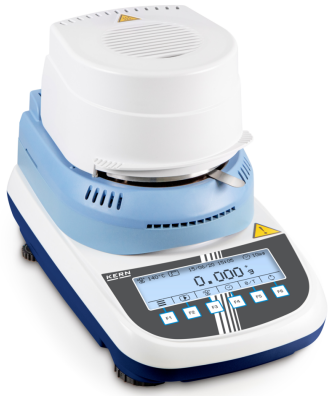
KERN **DLB 160-3A**

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



Date of creation: 24.10.2026

Category

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

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	160 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	160.000
Tare range	160 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	100 g (E2)
Possible calibration points	100 g
Stabilization time	4 s
Eccentric loading at 1/3 [Max]	0,005 g
Reproducibility weight of sample 10 g	0,05%
Temperature increment	1 °C
Construction type of the scale	Single-range balance
Reproducibility weight of sample 2 g	0,15%
Units	g mg % rH % Dry mass
Temperature [Min] (°C)	35 °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	80 °C;150 °C
Warm-up time	120 min
Possible moisture content of the sample	10% - 100%
Possible dry content of the sample	100% - 10%

Display

Display type	LCD graphic
Display type	LCD Graphic
Display backlight	✓
Display screen size	132×38 mm
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
Dimensions weighing surface (Ø)	100 mm
Dimensions weighing surface	100 mm
Material housing	plastic
Material display housing	plastic
Level indicator	✓
Levelling feet adjustable	✓
Heat generation capacity (W)	400

Functions

Standby function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	1 min - 99 min
Auto-off interval(s) in mains power mode	1 min - 99 min
Tare function	manual (multi)
Number of keys for operation	6

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Drying modes	Standard drying Rapid 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]	220 V - 240 V AC; 50 Hz, 60 Hz
Power socket for mains adapter	Power supply cable
Battery capacity	210 mAh
Battery voltage	3 V
Battery – Number of cells	1
Battery – Individual weight	2,9 g
Battery – Total weight	2,9 g
Battery capacity (Wh)	0,63 Wh
Battery – Lithium content	66 mg

Environmental conditions

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

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)	280×450×400 mm
Shipping method	Parcel service
Net weight approx.	4,8 kg
Gross weight approx.	7 kg
Shipping weight	10,1 kg
Shipping volume weight	10,1 kg

Product information

GTIN/EAN number	4045761243361
Trade number	90160010
Warranty Time	36 mon

Pictograms

STANDARD



OPTION

