

KERN DBS 60-3

Moisture analyser with high-quality single-cell weighing system for outstanding stability, reliability and response speed



Category	
Brand	KERN
Product category	Laboratory balance
Product group	Moisture analyser
Product family	DBS

Measuring System	
Construction type of the scale	Single-range balance
Weighing system	Single-Cell
Weighing capacity [Max]	60 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	0,02%
Linearity	± 0,003 g
USP Minimum weight of sample (k = 2, U = 0.1%)	2 g
Resolution	60.000
Tare range	60 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	50 g (F1)
Possible calibration points	50 g
Temperature calibration points	100 °C; 180 °C
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,002 g
Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 mg

Default unit	g
Units	g % Humidity % Dry mass % ATRO
Temperature [Min] (°C)	50 °C
Temperature [Max] (°C)	200 °C

Display	
Display type	graphic
Display backlight	✓
Display digit height - smallest digit	5 mm
Display digit height	15 mm

Construction	
Dimensions completely mounted (W×D×H)	204×336×167 mm
Dimensions weighing surface (Ø)	95 mm
Dimensions weighing surface	95 mm
Material housing	cast aluminium, plastic
Material weighing plate	stainless steel
Material display housing	Cast aluminium
Level indicator	✓
Levelling feet adjustable	✓
Heat generation capacity (W)	400

Functions	
Standby function	✓
Drying modes	Standard drying Rapid drying Gentle drying Drying in levels
Memory - number of drying programs	10
Switch-off criteria	time controlled automatic manual
Memory function	✓
Memory - number of results	100
Memory - number of sample (descriptions)	99
Tare function	manual (multi)
Number of keys for operation	11

Interface	
Interfaces	RS-232 standard USB-Device

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Power Supply

Supplied power supply	Power supply unit
Plug-in 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
Input voltage device / power [Max]	220V -240V AC, 50Hz

Environmental conditions

Ambient temperature [Min]	5 °C
Ambient temperature [Max]	40 °C
Humidity of environment [Min]	5 %
Humidity of environment [Max]	85 %
Storage temperature [Min]	-10 °C
Storage temperature [Max]	50 °C

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)	347×470×373 mm
Net weight	4,6 kg
Shipping method	Parcel service
Net weight approx.	4,6 kg
Gross weight approx.	7 kg
Shipping weight	12,2 kg

Pictograms

STANDARD



OPTION

