KERN **DBS 60-3**

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

Category

Brand	KERN
Product categoriy	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
Temperature [Min] (°C)	50 °C
Temperature [Max] (°C)	200 °C
Readability [d]	0,001 g
Resolution	60.000
Linearity	± 0,003 g
Reproducibility	0,001 g
Reproducibility weight of sample 2 g	0,15%
Reproducibility weight of sample 10 g	0,02%
Tare range	60 g
Default unit	g
Units	g % Humidity % Dry mass % ATRO
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	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
Readability moisture [d] (%)	0,01%

Approval

CE mark	✓

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
Material display housing	Cast aluminium
Material housing	cast aluminium, plastic
Material weighing plate	stainless steel
Dimensions weighing surface (Ø)	95 mm
Levelling feet adjustable	✓
Heat generation capacity (W)	400

Functions

Number of keys for operation	11
Tare function	manual (multi)
Standby function	✓
Memory function	✓
Memory - number of sample (descriptions)	99
Memory - number of results	100
Memory - number of drying programs	10
Interfaces	RS-232 standard USB-Device
Drying modes	Standard drying Rapid drying Gentle drying Drying in levels
Switch-off criteria	time controlled automatic manual

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Power Supply

Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
Plug-in power supply type	Built-in power supply
Supplied power supply	Power supply unit
Plug-in power supply / adapter for countries - included with the delivery	EURO
Plug-in power supply / adapter for countries - optional	UK CH

Environmental conditions

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

Packing & Shipping

Readability force [d] (N)	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

Services (optional)

Article number for adjustment at the location of installation	961-247
Article number for DAkkS calibration	963-127
Article number for factory calibration (temperature)	964-305
Article number for certificate of conformity (verification)	969-517

Pictograms

STANDARD

CAL EXT | MEMORY | RS 232 | USB | GLP INTERN | UNIT | 230 V | FORCE | SC TECH

1 DAY

OPTION

DAkkS +3 DAYS