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1 Halogen Moisture Analyser DBS 60-3

Modern moisture analyser with 10 memories and graphic display

Kern & Sohn

- Halogen quartz glass heater 400 W
- Backlit LCD display, digit height 15 mm: Previous drying time, current temperature, unit for displaying the results, current moisture content in %, drying mode/Status display drying
- Observation window over the sample, useful during initial adjustment
- Internal memory for automatic sequence of 10 drying programs and 100 drying processes carried out
- The last value measured remains on the display until it is replaced by a new measurement
- Sample description for up to 99 samples, 2 digits, freely programmable, and is printed in the measuring protocol
- Date and time display as standard
- 10 sample plates included
- Table of applications: There are many practical examples in the operating instructions

Specifications

Readability:	0.01 % or 0.001 g
Weighing range, max:	60 g
Reproducibility, weight of sample 2 g:	0.15 %
Reproducibility, weight of sample 10 g:	0.02 %
Temperature range:	+50 to +200 °C
Dimensions (W x D x H):	240 x 336 x 167 mm

Type	PK	Cat. No.
DBS 60-3	1	9.901 441

Suitable accessories can be found in our online shop.

Moisture analyser DAB 200-2/DAB 100-3

Moisture analyser with user-friendly graphics display and 15 memories for drying programs.

Kern & Sohn

- Halogen quartz glass heater 400 W
- Backlit LCD display, digit height 14 mm
- Display of: Drying process active, Active heating profile, Active switch-off criteria, Previous drying time, Current temperature, Moisture display in %, Interim result in moisture-%
- Observation window above the sample, useful during initial setting
- Internal memory for automatic sequence of 15 complete drying processes and 5 drying processes carried out
- The last value measured remains on the display until it is replaced by a new measurement
- 50 sample plates included

Specifications

Recommended humidity range:	5 ... 80 %
Temperature range:	40 ... 199 °C in steps of 1°C
Dimensions (W x D x H):	240 x 365 x 180 mm
Weight:	4.82 kg
Power supply:	230 V AC, 50 Hz

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2 Moisture analyser DAB 200-2

Model with lower resolution, whereby the switch-off criterion is reached faster, which saves time. Ideal for quick tests and spot checks.

Kern & Sohn

Specifications

Readability:	0.05 % or 0.01 g
Weighing range, max:	200 g
Reproducibility, weight of sample 2 g/10 g:	1.5 %/0.3 %

Type	PK	Cat. No.
DAB 200-2	1	6.292 002

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3 Moisture analyser DAB 100-3

Kern & Sohn

Specifications

Readability:	0.01 % or 0.001 g
Weighing range, max:	110 g
Reproducibility, weight of sample 2 g/10 g:	0.15 %/0.02 %

Type	PK	Cat. No.
DAB 100-3	1	6.281 836

1 Moisture balances MB23 and MB25

The Moisture Analyzers MB-23 and MB-25 provide stable results with 0.1% or 0.05 % moisture resolution because of precision weighing technology. They are supplied with either an infra-red, or halogen, heating system. Applicable for most applications. Graphical interface control. No programming necessary.

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- Halogen (MB-25) or infra-red (MB23) technology
- Sample holder included in MB25 but as option in MB23
- Delivered with 50 x 90 mm aluminium sample dishes and protective cover

Specifications	MB23 // MB25
Capacity:	110 g
Repeatability 3 g/10 g:	0.3 %/0.2 % // 0.2 %/0.05 %
Readability:	0.1 % or 0.01 g // 0.05 % or 0.005 g
Timer:	1 ... 99 min, 30-second increments to 60 min
Temperature range:	50 ... 160 °C
Operating temperature:	5 ... 40 °C
Pan size (diam.):	90 mm
Dimensions (W x D x H):	170 x 130 x 280 mm
Net weight:	2.3 kg
Power supply:	100 - 240 V, 50/60 Hz

Type	PK	Cat. No.
MB23	1	9.947 604
MB25	1	9.947 605

2 Halogen Moisture balance MB27

Ideal for routine moisture determinations, that require precise results up to 0.01 % and high capacity up to 90 g. Optimal for applications e.g. in the food, agriculture, chemical and pharmaceutical sector. Easy setting of the parameters. Compact instrument with easy-to-clean heating chamber.

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- Backlit LCD display
- Tare Range to capacity by subtraction
- Displays % moisture or % solids or weight (g), temperature, time
- Bidirectional interface(RS-232)

Specifications	
Capacity:	90 g
Repeatability 3 g/10 g:	0.2 %/0.05 %
Readability:	0.01% or 0.001 g
Timer:	1 to 99 min, 30-second increments to 60 min
Temperature range:	50 ... 160 °C (in 5 °C increments)
Operating temperature:	5 ... 40 °C
Pan size (diam.):	90 mm
Dimensions (W x D x H):	170 x 280 x 140 mm
Weight:	2.3 kg
Power supply:	100 - 240 V, 50/60 Hz

Type	PK	Cat. No.
MB27	1	4.663 998

3 Accessories Moisture balances MB series

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Description	For	PK	Cat. No.
Dot matrix printer	MB23/25/27/90/120	1	6.260 786
Protective cover	MB90/120	1	6.282 767
Disposable sample dishes, 90 mm	MB23/25/27/90/120	80	9.947 310
Glass fibre filter	MB23/25/27/90/120	200	9.947 312
Reusable Pan, 7 mm	MB23/25/27/90/120	3	6.282 770
Reusable Pan, 14 mm	MB23/25/27/90/120	3	6.282 771
Pan Holder	MB90/120	1	6.282 766
Cage	MB23/25/27/90/120	1	6.282 769
Scoop	MB90/120	1	6.282 768

Balances/Moisture balances

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6.282 764

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6.282 765

Halogen moisture balances MB90 and MB120

Moisture Analysis Made Simple and Powerful.

OHAUS

- The precisely controlled halogen heating dries samples quickly and ensures uniform heating to yield fast, precise and repeatable results of 0.01 % readability
- Designed with effortless maintenance in mind; removable pan handler and heating chamber components that make cleaning quick and easy, no tools needed
- Icon-based menu navigation on the easy-to-read touchscreen display makes operating intuitive
- MB120's Temperature Guide analyzes a sample and determines the optimal drying temperature
- Applications: Percent Moisture Determination, Percent Moisture Regain Determination, Percent Solid Determination, Weighing
- Display 4.3": TFT color touchscreen display
- Operation: Power cord (included)
- Communication: RS232 with GLP/GMP data output, USB Host and USB Device (included)
- Construction: Metal base, ABS top housing, halogen heat source, stainless steel pan support, stainless steel pan handler, in-use cover

Design Features MB90: Three shut-off criteria (manual, timed or auto), two drying profiles (standard and fast), storage up to two methods, user guide, 40 to 200 °C heating temperature range (1 °C increments), 13 operational languages

Design Features MB120: Seven shut-off criteria (manual, timed, autofree %/s, autofree mg/s, A30, A60 and A90), four drying profiles (standard, fast, ramp and step), storage up to 100 methods and 1000 test results for all methods, user guide, 40 to 230 °C heating temperature range (1 °C increments), 13 operational languages

Specifications

	MB90 // MB120
Capacity:	90 g // 120 g
Repeatability 3 g/10 g:	0.18 %/ 0.02 % // 0.05 %/0.015 %
Readability:	0.01 % or 0.001 g
Temperature range:	40 ... 200 °C // 40 ... 230 °C
Operating temperature:	10 ... 40 °C
Pan size (diam.):	90 mm
Dimensions (W x D x H):	210 x 350 x 180 mm
Weight:	5.23 kg
Power supply:	120 or 240 VAC, 50 ... 60 Hz

Type	PK	Cat. No.
MB90	1	6.282 764 1
MB120	1	6.282 765 2

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3 Moisture Analyser MA35

Sartorius Lab Instruments

- Fully automatic heating of a sample by two powerful metal tubular-shaped heating elements (also called dark radiators)
- Particularly simple operator guidance using self-explanatory pictograms
- Sample quantity 5-15g
- % moisture content, % dry weight, ATRO value, g residue, mg weight loss
- Shutoff criteria (optional): fully automatic, timer setting (0.1-99min.), manual
- Access to sample chamber through hinged cover with large opening angle
- 1 program saved in a non-volatile memory (freely selectable parameters)
- Printout using an optional, external printer (Cat. No. 6.238 838)
- Fixed standard configuration GLP report for measuring results, calibration, adjustment (5 languages selectable)
- External calibration using optional weight sets
- Data interface RS232 C-S/V24-V28, 7 data bits (ASCII) 1 parity bit

Specifications

Readability:	0.01 % or 0.001 g
Weighing range, max:	35 g
Reproducibility, weight of sample 1g:	±0.2 %
Reproducibility, weight of sample 5g:	±0.05 %
Temperature range:	40 ... 160 °C, in increments of 1 °C
Power consumption:	400 VA
Dimensions (W x D x H):	224 x 366 x 191mm

Type	max. load	Min. temp.	Max. temp.	PK	Cat. No.
	g	°C	°C		
MA35M-230N	35	40	160	1	6.272 569