

Анализаторы влажности CARL ROTH серии MB Basic, DAB, DBS 60-3, MA35M, MB 90, MB 120

Технические характеристики

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Moisture analyzers



Moisture analysers MB Basic series

Ohaus.

Specification for all models:

- Backlit display
- RS 232 interface
- Two optional shut-down criteria: Automatic or timed shut-down
- Display screen: % moisture or weight value, as well as temperature and time

Technical specifications:

Art. No.	KT40.1	KT41.1
Type	MB23	MB25
Weighing range	110 g	
Temperature range	+50 to +160 °C	
Additional data	can be selected in 5 °C increments	
Readability	0,1 % / 0,01 g	0,05 % / 0,005 g
Reproducibility	0,3 % (3 g) 0,2 % (10 g)	0,2 % (3 g) 0,05 % (10 g)
Heating technology	Infrared (no glass)	Halogen
Timer	1 to 99 mins (30-second increments up to 60 mins)	
Sample size	Typisch 3 bis 20 g, min. 0,5 g	Typical 3 to 20 g, min. 0.5 g
Weighing pan	Ø 90 mm	
W x D x H	165 x 283 x 132 mm	
Weight	2.3 kg	
Mains connection	100–240 V, 50/60 Hz	

Model MB 23

Heat source: Infrared heating system

Delivery incl. work protection cover. If a sample pan holder is required, please order separately.

Type	Weighing range (g)	Readability (g)	Art. No.	Pack Qty.
MB23	110	0,1 % / 0,01	KT40.1	1 unit(s)

Model MB 25

Heat source: Halogen heating system

Delivery incl. work safety cover and sample pan holder.

Type	Weighing range (g)	Readability (g)	Art. No.	Pack Qty.
MB25	110	0,05 % / 0,005	KT41.1	1 unit(s)

Accessories for MB Basic series hygrometer

Ohaus.

Type	Art. No.	Pack Qty.
Sample tray holder for model MB 23	KT42.1	1 unit(s)
Temperature calibration set	X840.1	1 unit(s)



Moisture analysers DAB series

Kern.

Features:

- Backlit display: % humidity, % dry matter or weight loss in g
- Heat source: Halogen quartz glass heater
- Switch-off criteria:
 - Automatic switch-off (2 mg weight loss in 45 s)
 - Scheduled switch-off (3 mins up to 99 hrs 59 mins at 10 s intervals)
 - Manual switch-off by pressing a button
- Drying modes: Standard, gentle and quick drying
- Internal memory for automatic execution of 15 drying processes and five memory spaces for test results
- RS 232 data port
- Sample viewing window

Technical specifications:

Art. No.	EEK2.1	KHE2.1
Type	DAB 100-3	DAB 200-2
Weighing range	110 g	200 g
Temperature range	40 to 160 °C	40 to 199 °C
Additional data	can be selected in 1 °C increments	
Readability	0.01 % / 0.001 g	0.05 % / 0.01 g
Reproducibility	0,15 % (2 g) 0,02 % (10 g)	1,5 % (2 g) 0,3 % (10 g)
Heating technology	Halogen quartz glass heater	
Time setting from	3 min	
Time setting up to	99:59 h	
Weighing pan	Ø 92 mm	
W x D x H	240 x 365 x 180 mm	
Weight	4.82 kg	
Mains connection	220 V, 50 Hz	

Model DAB 100-3

Type	Weighing range (g)	Readability (g)	Art. No.	Pack Qty.
DAB 100-3	110	0.01 % / 0.001	EEK2.1	1 unit(s)

Model DAB 200-2

With low resolution, meaning that the switch-off criteria are met more quickly. Suitable for quick tests and samples.

Type	Weighing range (g)	Readability (g)	Art. No.	Pack Qty.
DAB 200-2	200	0.05 % / 0.01	KHE2.1	1 unit(s)



Moisture analyzers



Moisture analysers DBS 60-3

Kern.

Features:

- Displays: % humidity, % dry matter, ATRO % or weight loss in g
- Heat source: Halogen quartz glass heater
- Switch-off criteria:
 - AUTO** = drying stops if the set weight loss remains constant for 30 s
 - TIME** = drying stops on expiration of the set time
 - Manual** = stop button
- Drying modes: Standard drying, phase drying, gentle drying and quick drying
- Internal memory for automatic execution of 10 drying programs and 100 drying processes carried out
- RS 232 data port
- Sample code for up to 99 samples, 2-digit, freely programmable
- Date and time display
- Sample viewing window

Technical specifications:

Art. No.	TE06.1
Type	DBS 60-3
Weighing range	60 g
Temperature range	+50 to +200 °C
Additional data	can be selected in 1 °C increments
Readability	0.01 % / 0.001 g
Reproducibility	0,15 % (2 g) 0,02 % (10 g)
Heating technology	Halogen quartz glass heater
Time setting from	1 min
Time setting up to	12 h
Weighing pan	Ø 95 mm
W x D x H	202 x 336 x 157 mm
Weight	4.2 kg
Mains connection	220–240 V, 50/60 Hz



Moisture analysers MA35M

Sartorius.

For the determination of moisture content in organic and inorganic substances, e.g. in greases, oils, foodstuffs, building materials, wood or paper. For use in chemistry, pharmaceuticals, medicine, environmental analytics or in sewage treatment plants.

Features:

- Heat source: Infrared lamp
- RS 232 data port
- Display: % moisture content, % dry matter (residue), ATRO % or in weight values
- 2 selectable switch-off criteria: Time controlled and automatic switch-off options (moisture determination ends if no significant weight loss is detected)
- A 30 g calibration weight is required for calibration of the moisture analyser (please order separately)
- **With window for observation of the sample material**

Technical specifications:

Art. No.	NT00.1
Type	MA35M
Weighing range	35 g
Temperature range	+40 to +160 °C
Additional data	can be selected in 1 °C increments
Readability	0.01%/0.001 g
Reproducibility	0,20 % (1 g); 0,05 % (5 g)
Heating technology	Infrared
Time setting from	0.1 min
Time setting up to	99 min
Weighing pan	Ø 90 mm
W x D x H	224 x 366 x 191 mm
Weight	5.8 kg
Mains connection	230 V, 50/60 Hz

Delivery incl. sample tray holder.

Type	Weighing range (g)	Readability (g)	Art. No.	Pack Qty.	
MA35M	35	0.01%/0.001	NT00.1	1 unit(s)	

Type	Weighing range (g)	Readability (g)	Art. No.	Pack Qty.	
DBS 60-3	60	0.01 % / 0.001	TE06.1	1 unit(s)	

Moisture analyzers



Moisture analysers MB-series

Ohaus.

Specification for all models:

- Halogen heating technology
- 4.3", QVGA, TFT touchscreen and four mechanical buttons
- Display results: % moisture, % solids, % moisture absorption, time, temperature, weight, method name
- 13 operating languages
- RS 232, USB host, USB device

Technical specifications:

Art. No.	HAP1.1	HAP2.1
Type	MB90	MB120
Weighing range	90 g	120 g
Temperature range	+40 to +200 °C	+40 to +230 °C
Additional data	can be selected in 1 °C increments	
Readability	0.01%/0.001 g	
Reproducibility	0,18 % (3 g); 0,02 % (10 g)	0,05 % (3 g) 0,015 % (10 g)
Heating technology	Halogen	
Time setting up to	48 h	
Weighing pan	Ø 90 mm	
W x D x H	210 x 180 x 350 mm	
Weight	5.23 kg	
Mains connection	120/240 V, 50/60 Hz	

Delivery incl. work protection cover and stainless steel sample tray holder.

Model MB 90

- 3 switch-off criteria (manual, time-controlled or automatic)
- Storage of up to 2 methods and 100 test results for each method
- 2 heating profiles (standard and fast)

Type	Weighing range (g)	Readability (g)	Art. No.	Pack Qty.
MB90	90	0.01%/0.001	HAP1.1	1 unit(s)

Model MB 120

- 7 switch-off criteria (manual, time-controlled, AutoFree selectable %/s, AutoFree selectable mg/s, A30, A60 and A90)
- Storage of up to 100 methods and 1000 test results for each method
- 4 heating profiles (standard, fast, gentle/ramp and gradual)

Type	Weighing range (g)	Readability (g)	Art. No.	Pack Qty.
MB120	120	0.01%/0.001	HAP2.1	1 unit(s)



Accessories for moisture analyser disposable aluminium sample pans, Ø 90 x H 7 mm

Ohaus.

Type	Art. No.	Pack Qty.
Aluminium disposable sample trays, Ø 90 x H 7 mm	X837.2	50 unit(s)



Ionizer for balances

Kern.

Suitable for neutralising static charge. Non-conductive samples, e.g. plastic, porcelain, glass, etc. is often statically charged. The resultant electromagnetic field between the sample and balance can falsify the weighing result.

- For weighing in the milligram range or more accurate
- Blower can be switched on and off

Technical specifications:

Art. No.	CET5.1
Type	Ionizer
Distance from object being measured	5–40 mm
Discharge time	9 s/5 cm, 13 s/10 cm, 100 s/40 cm (with the blower switched on)
Width	110 mm
Depth	105 mm
Height	60 mm
Weight	310 g
Mains connection	110–240 V, 50/60 Hz

Type	Art. No.	Pack Qty.
Ionizer	CET5.1	1 unit(s)

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