sartorius

Sartorius MA35
Easy ... very easy

The MA35 is the new basic model in the moisture analyzer series from Sartorius. Its performance functions and operating concept are geared toward daily routine processes, such as repetitive QC monitoring of samples as performed during in-process control and incoming goods inspection. To make the MA35 even more user-friendly, we have done away with seldom-used programming options without compromising flexibility or measurement accuracy.

Metal tubular-shaped heating elements with integrated reflector providing uniform distribution of heat rays

No need for programming

End-point determination is fully automatic. It is no longer necessary to program a shutoff parameter. The MA35 continuously monitors the drying process and stops the measurement as soon as the sample has reached a constant weight – i.e., when no more weight loss can be detected despite heating. A built-in weighing system provides the measurement accuracy required for this with 1-mg resolution that is optimized for use in high temperature ranges.

For sample heating, the MA35 is equipped with two powerful metal tubular-shaped heating elements, providing 360 watts of power. These heating elements, also called dark radiators, are both rugged and durable. Compared to heating lamps made from glass, e.g. infrared lamps or halogen heaters, these are especially resistant to dirt and vibration. In addition, the MA35's metal heating elements can be used in accordance with the strict guidelines of the FDA and HACCP in cases where glass is prohibited in certain production processes.

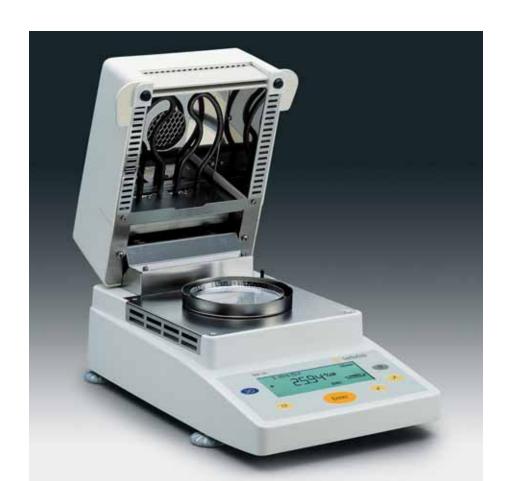## Easy-to-understand and error-free moisture analysis

The operating design focuses on accuracy and ease of use. The concise display shows the user all important information at a single glance. Easy-to-understand icons guide you in three steps from taring the sample pan to starting the measurement. The MA35 has done away with the regular Program Selection menu, opting instead for a limited number of drying routines that can be saved in the non-volatile memory. All important operating parameters can be accessed and changed in seconds, giving you more flexibility.

The optional printer, YDP03-0CE, enables you to print analysis results on a short report to save on paper usage. If you need comprehensive documentation, you can also print out the sample analysis results as well as the data for the weighing system and temperature calibration as a detailed GLP report.

Concise display with icon-guided user interface

Sartorius MA35
Technical specifications and accessories

Technical specifications

Max. weighing capacity		35 g
Measuring accuracy of the weighing system		1 mg
Reproducibility, average (%)	Starting at an initial sample weight of approx. 1g	± 0.2
	Starting at an initial sample weight of approx. 5 g	± 0.05
Readability		0.01 %
Display mode for results		% moisture % dry weight (solids) % RATIO g residue
Analysis mode		Fully automatic Timer settings 0.1-99 min.
Sample heating		Infrared heating using metal heating elements
Access to sample chamber		Hinged cover with wide opening angle
Special version compliant with FDA|HACCP regulations		With aluminum panel inserts instead of glass panels
Temperature range and settings		40°C–160°C, adjustable in 1-degree increments
Operator guidance		By icons
Number of program memories		1
Memory for data storage		End point up to the next moisture analysis run
Data printer		Short report Comprehensive GLP report in the following choice of languages: English, Spanish, French, German, Italian or Russian
Data interface port		RS-232C, for data transmission to a printer or a computer
Housing dimensions in mm		Width 224, depth 366, height 191
Weight approx.		5.8 kg

Accessories	Order no.
Disposable sample pans 80 units, aluminum, round, 90 mm ⌀	6965542
Glass fiber filters for analysis of liquid, pasty and fatty samples, 80 units	6906940
Panel replacement set Aluminum panel inserts for replacing glass panels to meet FDA/HACCP regulations (conversion kit)	YDS05MA
Data printer for external connection	YDP03-0CE
Ink ribbon cartridge for data printer YDP03-0CE	6906918
Paper rolls for data printer YDP03-0CE, 5 rolls, 50 m each	6906937
Calibration weight, external 30 g ± 0.3 mg	YSS43
Temperature adjustment set with manufacturer's certificate	YTM04MA
Standard operating procedure (SOP)	YSL02MA