labForce

powered by Thomas Scientific

TS-M Moisture Analyzers

METHODS OF MOISTURE CONTENT ANALYSIS

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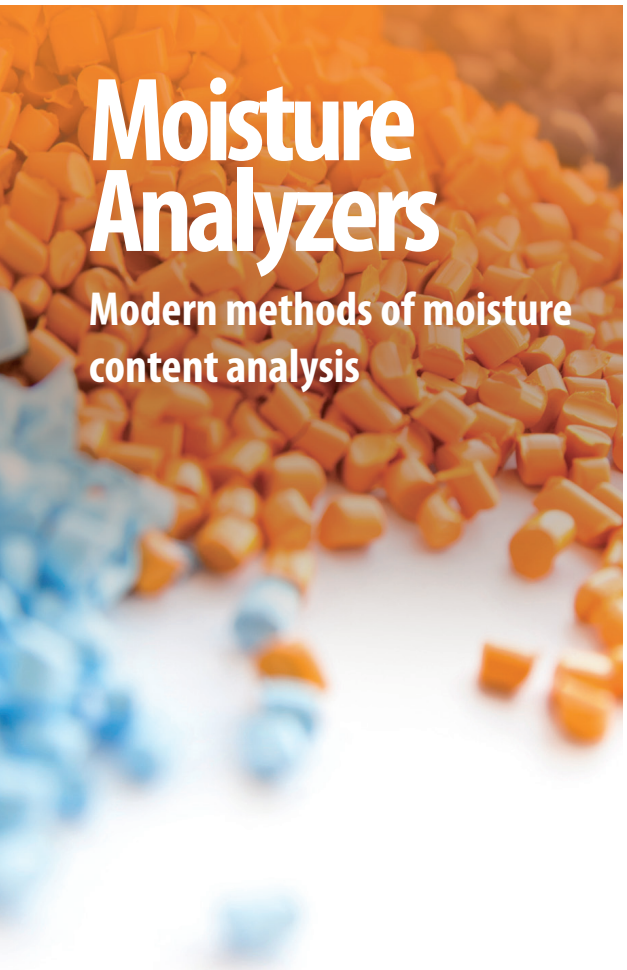

Highest-level functionality for professional drying processes and moisture content analysis

Versatility of Applications
The demanding requirements of Thomas Scientific customers has resulted in 3 different models of moisture analyzers. The TS-M is designed to enable the most complex measurements and provides various capacity and readability options.

Ease and Comfort of Operation
Both the display and menu structure design make moisture analyzer operation easier and more intuitive. TS-M series is additionally equipped with a touchscreen for greater comfort.

Precision of Mass Measurement in all Thermal Conditions.
The special algorithm controls the IR Emitter heating element, which operates to maintain proper drying temperature, and ensures fast and precise measurement. The dynamic temperature control method allows users to carry out analysis within a relatively short time and to obtain repeatability in a series of drying processes.

Drying Temperature Optimization
LabForce moisture analyzers are equipped with an IR heating element that allow for consistent and fast results. Diverse drying profiles can use individual methods to reach the preset temperature.

Drying Process Visualization
In order to enable full control of the drying process, LabForce moisture analyzers provide different forms of online process visualization. Visualization includes a bar graph for sample mass control or measured value preview (g, %M, %D, %R).

Database as Drying Processes Backup
The ability to save all the information on samples and drying processes in the database improves drying processes management. When using this option you do not have to remember particular parameters' values.

A Three Year Warranty is Included with all LabForce Moisture Analyzers



Model	TS-M- 50.H	TS-M-50	TS-M-210
Maximum capacity [Max]	50 g	50 g	210 g
Readability [d]	0.1 mg	1 mg	1 mg
Moisture readout accuracy	0.0001%	0.001%	0.001%
Drying temperature range	max 160 °C	max 160 °C	max 160 °C
Moisture content repeatability	+/-0.05% (sample ~ 2g), +/-0.01% (sample ~ 10g)	+/-0.05% (sample ~ 2g), +/-0.01% (sample ~ 10g)	+/-0.05% (sample ~ 2g), +/-0.01% (sample ~ 10g)
Weighing pan dimension	ø 90 mm, h = 8 mm	ø 90 mm, h = 8 mm	ø 90 mm, h = 8 mm
Heating module	IR heating element	IR heating element	IR heating element
Display type	5" color touch screen	5" color touch screen	5" color touch screen
Communication Ports	RS 232, USB-A, USB-B, Ethernet, Wireless Connection	RS 232, USB-A, USB-B, Ethernet, Wireless Connection	RS 232, USB-A, USB-B, Ethernet, Wireless Connection
Catalog Number	**1160U35**	**1160U36**	**1160U37**

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