



Moisture Analyzers

MODERN METHODS OF MOISTURE CONTENT ANALYSIS

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Versatility of Applications

The demanding requirements of SCHULER SCIENTIFIC customers has resulted in 3 different series of moisture analyzers, from highly advanced solutions through standard to basic ones. SMA TD is designed to enable the most complex measurements and SMA is used for typical applications.

Ease and Comfort of Operation

Both the display and menu structure design make moisture analyzer operation easier and more intuitive. SMA TD series is additionally equipped with a touchscreen for greater comfort.

Precision of Mass Measurement in all Thermal Conditions.

The special algorithm controlling heating elements operation maintains 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

SCHULER SCIENTIFIC moisture analyzers equipped with various heating elements allow for testing the moisture content of different samples, i.e. samples characterized by various structures and textures. Diverse drying profiles use individual methods to reach the preset temperature.

Drying Process Visualization

In order to enable full control of the drying process, SCHULER SCIENTIFIC moisture analyzers provide different forms of online process visualization. Depending on the model, you can display a drying process graph (dynamically drawn drying curve), 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.



SMA TD

Maximum capacity [Max]	50 g - 210 g
Readability [d]	0.1 mg - 1 mg
Display	5" color touch screen
Moisture readout accuracy	0.0001 % - 0.001 %
Drying temperature range	max 160°C, max 250°C (option)
Pan size	ø90 mm, h = 8 mm
Communication Interfaces	RS 232, USB-A, USB-B, Ethernet, Wi-Fi