

Automatic sample mass control  
Complex databases storing samples and drying programs



## Moisture Analyzers

MODERN METHODS OF MOISTURE CONTENT ANALYSIS

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

# Moisture Analyzers

Modern methods of moisture content analysis



### Versatility of Applications

The demanding requirements of Cascade Sciences customers has resulted in 2 different models of moisture analyzers. The CM 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. CM 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

Cascade Sciences 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, CM 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 Moisture Analyzers

Model	CM-54.I	CM-213.I
Maximum Capacity	50 g	210 g
Readability [d]	0.1 mg	1 mg
Drying temperature range	max 160 °C	max 160 °C
Moisture Content Readability	0.0001%	0.001%
Weighing pan dimension	Ø 90 mm, h = 8 mm	Ø 90 mm, h = 8 mm
Heating module	IR heating element	IR heating element
Display type	5" color touch screen	5" color touch screen
Unit Dimensions	338 × 206 × 197mm (13.3 × 8.1 × 7.8 in)	338 × 206 × 197mm (13.3 × 8.1 × 7.8 in)
Communication ports	RS232, USB (A&B), Ethernet, Wireless Connection	RS232, USB (A&B), Ethernet, Wireless Connection