

Ultra-short drying time
Uniform heating of the sample
Complex database of drying programs



PMV 50 Microwave Moisture Analyzer

MEASUREMENT OF SAMPLES OF HIGH MOISTURE CONTENT

PMV 50

High accuracy analysis, fast drying process Intuitive operation



Microwaves in Moisture Content Measurement

Samples humidity measurement performed using an innovative system, operation of which system is based on microwaves, requires much less time for drying of weighed materials. This solution is an excellent choice for measuring products containing significant amount of moisture (8-100%), i.e. dairy products, meat, fish, syrups, creams, liquid resin.

Ultra-Short Drying Time

The PMV 50 moisture analyzer enables to significantly reduce drying time. Depending on the type and mass of a sample, the process takes 1 to 10 minutes. In contrast, drying using the traditional halogen moisture analyzer takes 5 to 40 minutes.

Uniform Heating of the Sample

In contrast to traditional moisture analyzers which heat samples on the side of the heating element, the PMV 50 moisture analyzer heats the whole sample's volume due to the use of $\varnothing 90$ filter.

Temperature Sensor

The PMV 50 microwave moisture analyzer is equipped with a temperature sensor which enables to select optimum power for a given sample and prevents exceeding the boiling point during the process. Preset microwave power is displayed on the indicator throughout the drying procedure.

Complex Databases

Measuring processes are supported by complex databases with numerous management options. Expanded 32 GB memory enables saving and storing advanced reports and time and statistical graphs.

Verification of Operation

When purchasing the PMV 50 moisture analyzer a sample of sodium chloride 10% is provided by the manufacturer. This enables determining whether the device operates correctly at the workstation.



PMV 50

Maximum capacity [Max]	50 g
Readability [d]	0.1 mg
Tare range	- 50 g
Maximum sample weight	50 g
Moisture content readability	0.05 %
Measuring range	8 % – 100 % moisture content
Displayed result	Moisture content – %, ppm; dry mass content – %, ppm, g; loss – mg; proportion – %
Sample holder	$\varnothing 90$ mm glass fibre filter
Heating module	Microwave radiation emitter
Finish mode	Manual, automatic, time-defined, user-defined
Microwave power regulation	2 % – 100% (every 1%)
Display	5.7" resistive touch screen
Interfaces	2×USB-A, RS 232, Ethernet, Wireless Connection