

◆ DENSITY METER

Fully automatic density measurement type MVS2pro Density

The MVS2pro is a robotized system for the determination of the density of polymers or other materials by the principle of the hydrostatic pressure opportunely corrected in order to obtain the result expressed in the MV(S) unit. The system is compliant to ISO 1183-1 (Method A), ISO 2781, ASTM D792 and ISO 293.

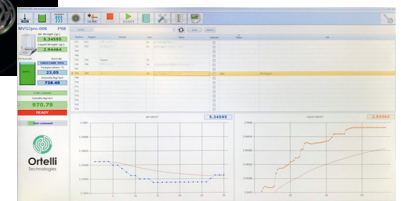
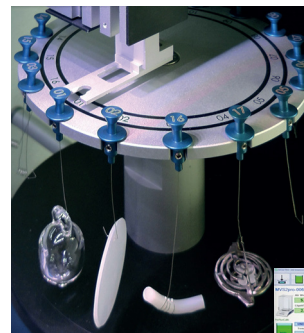
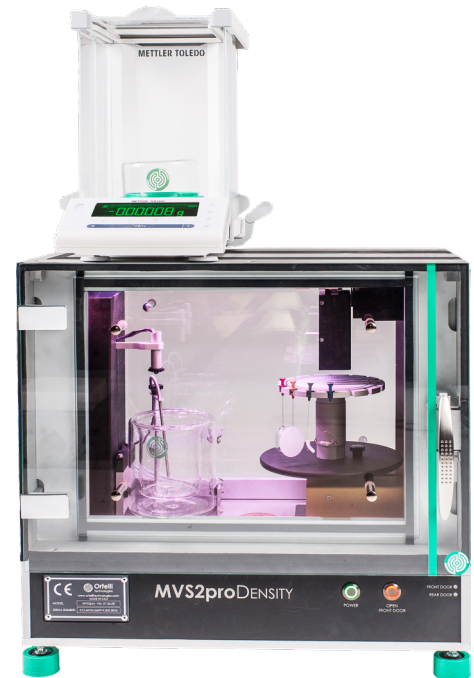
MVS2pro is developed to replace the old and inaccurate gradient column systems used for this measurement.

Following certified standards are used:

- 1 density standard
- 1 mass standard
- 1 volume standard
- 1 polymer standard (not certified)
- 1 standard temperature probe (certified thermometer)

Features:

- Autosampler with a maximum of 16 samples and/ or standard of density, mass or volume.
- Measurement time of one sample in about 120 sec.
- Constant temperature control
- Integrated statistical quality control plan
- Remote control and support of diagnosis
- Density management software



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Technical data:

	MVS2pro
Technical characteristics	
Reproducibility [%]	< 0,01
Temperature range [C °]	10 - 50
Measuring range [g/cm³]	0,78000 max. requested
Sample dimension Ø / thickness [cm]	approx. 3 - 4 / 0,2
Measurement time [sec] / sample	120 - 150
Autosampler	16
Electrical data	
Rated Voltage [V]	100 ... 240
Power frequency [Hz]	50/60
Nominal power [W]	150
Dimensions (basic instrument, without balance, PC and thermostat)	
Width net [mm], approx.	552
Height net [mm], approx.	510
Depth net [mm], approx.	315
Weight [kg]	35

Densimeter type ALS / ALJ

The densimeter series ALS / ALJ is a laboratory type density meter for the automatic determination of the density of solids and liquids. It can be used for measuring the density of plastics (film, specimens and finishing parts) according to DIN EN ISO 1183-1 and others.

Features:

- High precise density measurement for solids and liquids
- External / internal adjustment CAL (depending on type of densitometer)
- Up-to-date, modern and ergonomic design
- Step by step user guidance
- Calculated density indicated directly in the display
- Sturdy casing
- DKD certificate available



Technical data:

	ALS 160-4A	ALS 250-4A	ALJ 160-4A	ALJ 160-4AM	ALJ 250-4A	ALJ 250-4AM
Measuring system						
Weighing range [Max] [g]	160	250	160	160	250	250
Readout [mg]	0,1	0,1	0,1	0,1	0,1	0,1
Reproducibility [mg]	0,1	0,1	0,1	0,2	0,1	0,2
Linearity [mg]	±0,3	±0,3	±0,3	±0,3	±0,3	±0,3
Calibration / Adjusting	externally	externally	internally	internally	internally	internally
DAkkS Certificate	✓	✓	✓	✓	✓	✓
Verification value [mg]	-	-	-	1	-	1
Electrical data						
Input voltage [V] AC	110 - 230	110 - 230	110 - 230	110 - 230	110 - 230	110 - 230
Dimensions						
Width [mm]	210	210	210	210	210	210
Height [mm]	330	330	330	330	330	330
Depth [mm]	340	340	340	340	340	340
Weight approx. [kg]	7	7	7	7	7	7

Other versions on request!