

Model no. 1709

MFR/MVR TESTER



According to

ISO 1133

AMST D 1238

The MFR/MVR tester combines the determination of the melt flow rate (MFR) and melt volume rate (MVR) of thermoplastic materials into one test procedure under specified temperature and load conditions.

EASY AND SAFE OPERATION

- > Convenient operation and clear visualisation via an integrated touch display or an optionally available operating unit

RELIABLE TEST RESULTS

- > Excellent temperature accuracy with respect to volume and time thanks to a self-optimising control system
- > Electronically controlled cutting device

LASTING EFFICIENCY

- > Minimum energy demand, max. temperature constancy
- > Long service life thanks to high-quality materials and materials resistant to high temperatures

STATE-OF-THE-ART TECHNOLOGY

- > Integrated microprocessor control with touch display for data input and output and for calculation of the MFR value
- > Interface to IptDataLogging®
- > Interface to analytical balance



VERSION MFR/MVR TESTER		V1709-0020
Test temperature	°C	50 to 300 in increments of 0.1 °C
Increase in the temperature range up to 450 °C		+
Temperature regulating accuracy		± 0.5 °C at the nozzle ± 0.5 °C over the entire usable length of the test cylinder
0.325-kg load weight		+
1.200-kg load weight		+
2.160-kg load weight		✓
3.800-kg load weight		+
5.000-kg load weight		✓
10.000-kg load weight		+
11.600-kg load weight		+
Automatic cutting device		+
Piston distance measurement unit (for determining MVR)		+
Motorised weight application (incl. weights 0.325/1.2/2.16/3.8/5.0/10.0/21.6 kg)		+
Operation via IptDataLogging ®		+
IptDataLogging ® user-interface (PC or notebook required)		+
Compatible with IptDataLogging ®		from version 5.x
Data interface		Ethernet
Laboratory balance interface		Serial interface (RS-232)
CE conformity		✓
Permissible ambient temperature	°C	+5 to +30
Permissible relative humidity	%	max. 70 non-condensing
Width x Depth x Height	mm	540 x 440 x 920
Weight (without weight discs)	kg	98
Voltage data		230 V, 50/60 Hz, * other voltages
✓ included		+ available/optional
○ eligible		– not available
		* available upon request

ACCESSORIES MFR/MVR TESTER

Product	Description	Model no.
	Laboratory granulator	1665

	Analytical balance	H3000
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