

MFi5

MFi Series: The New Generation of Melt Flow Index Testers

The MFi5 is a compact instrument that allows rapid inspection of the melt mass flow rate of plastics. It is especially designed for different needs, from simple Incoming Material Acceptance to Process Control checks. The manually operated MFi5 tests plastics quickly and reliably thanks to the pre-set methods.



TECHNICAL SPECIFICATIONS

Type Of Test	Methods A, B, C
Test Temperature Range	50 °C – 450 °C
Piston Travel Transducer	✓
PTT resolution	<0.005 mm
Test Mass Range	0.100 kg, 0.325 kg, 0.500 kg, 1.000 kg, 1.050 kg, 1.200 kg, 2.160 kg, 3.800 kg, 5.000 kg, 6.480 kg, 10.000 kg, 12.500 kg, 15.000 kg, 20.000 kg, 21.600 kg
Test Masses Motorized Lifter	-
Automatic Compacting and Purging	-
Motorized Melt Cutter	Optional
Test Masses Manual Selector	-
Die Plug Automatic Opening	Optional
Temperature Accuracy	<0.3 °C
Barrel Type	STANDARD: Nitrided Steel with Superior Wear Resistance OPTIONAL: Special stainless-steel for corrosive materials
Temperature Resolution	<0.05 °C
User Interface	7" Capacitive touch display
Other Facilities Required to Operate Basic Machine and Options	Only Electrical supply
Additional Safety Shields	-
Bluehill Melt Software	Optional
Export Interfaces	USB, LAN for Bluehill Melt Software
Basic Machine Dimensions (w × d × h)	510 x 370 x 600 mm
Machine Dimensions with Options (w × d × h)	510 x 370 x 700 mm
Basic Machine Mass	60 kg
Power Supply	660 W
Electrical Supply Only	115 or 230 115 V Hz 50/60

www.instron.com



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MFi5_POD_EN_V1

MFi7

MFi Series: The New Generation of Melt Flow Index Testers

The MFi7 is a modular instrument designed to accommodate an increasing volume of testing. Created to improve repeatability and reduce the introduction of operator error, the MFi7 offers a high level of flexibility, accuracy and shorter test cycle times due to automatic material compaction, purging and cleaning.



TECHNICAL SPECIFICATIONS

Type of Test	Methods A, B, C
Test Temperature Range	50 °C – 450 °C
Piston Travel Transducer	✓
PTT resolution	<0.005 mm
Test Mass Range	0.100 kg, 0.325 kg, 0.500 kg, 1.000 kg, 1.050 kg, 1.200 kg, 2.160 kg, 3.800 kg, 5.000 kg, 6.480 kg, 10.000 kg, 12.500 kg, 15.000 kg, 20.000 kg, 21.600 kg
Test Masses Motorized Lifter	✓
Automatic Compacting and Purging	Optional
Motorized Melt Cutter	Optional
Test Masses Manual Selector	Optional
Die Plug Automatic Opening	Optional
Temperature Accuracy	<0.3 °C
Barrel Type	STANDARD: Nitrided Steel with Superior Wear Resistance OPTIONAL: Special stainless-steel for corrosive materials
Temperature Resolution	<0.05 °C
User Interface	7" Capacitive touch display
Other Facilities Required to Operate Basic Machine and Options	Only Electrical supply
Additional Safety Shields	Optional
Bluehill Melt Software	Optional
Export Interfaces	USB, LAN for Bluehill Melt Software
Basic Machine Dimensions (w × d × h)	510 x 370 x 850 mm
Machine Dimensions with Options (w × d × h)	775 x 440 x 1200 mm
Basic Machine Mass	70 kg
Power Supply	780 W
Electrical Supply Only	115 or 230 115 V Hz 50/60

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MFi7_POD_EN_V1