



MELT FLOW INDEXER MFI-100C1

STANDARDS

ISO1133, ASTM D1238 AND GB/T 3682 METHOD A & B

Melt Flow Indexer MFI-1000C1 is a new and affordable tabletop instrument that tests the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of a wide range of thermoplastic raw materials, in the form of granules, strips of film etc. This test method is particularly useful for quality control tests on thermoplastics. MVR will be found particularly useful when comparing materials of different filler content and when comparing filled with unfilled thermoplastics. The MFR can be determined from MVR measurements provided the melt density at the test temperature and pressure is known.





FEATURES

DISPLAY

The clear multi-line touch screen allow fast, accurate input of test parameters and providing continuous display of setting during testing, with the additional function of printing the test result by a micro-printer.

HIGH ACCURACY

The built-in microprocessor maintains temperature control to within $\pm 0.5^{\circ}\text{C}$, with rapid ramp-up to the set point. Extruded material is automatically cut off by the built-in scraper mechanism at preset intervals, controllable to $\pm 0.1\text{second}$.

EASE TO OPERATE

Testing Melt Flow Rate has never been so economical or easy to do! The tester is supplied completely with the accessories and weights necessary for operation and maintenance. Nothing else to buy--just plug it in and start a test.



TECHNICAL PARAMETERS

- ❖ Operating temperature: 120 °C--450°C
- ❖ Temperature control accuracy: $\leq 0.5^{\circ}\text{C}$
- ❖ Temperature display resolution: 0.1°C
- ❖ Temperature rising time: < 30 min
- ❖ Power supply: 220V/50Hz or 110V/60Hz

SOFTWARE

Software has the functions of setting parameters, constant temperature control, cutting sample, calibration, setting test time, displaying test datum & result, calculating melt density, as well as checking & printing test datum. Password verification is necessary for main operations in case of mishandling.

MFI-1000C1 (MFR &MVR)

It allows for testing the **melt mass-flow rate (MFR) and melt volume-flow rate (MVR), Melt density test** according to the standards ASTM D1238, ISO1133.