

Melt Flow Index Tester Manual

The Melt Flow Index helps in analyzing the flow properties of plastics. The melt flow index is used to calculate the melt flow of thermoplastic polymers. The physical and chemical properties of any material can be analyzed on the basis of the melt flow rate. The melt flow rate is an important measure in the PET and polymer industry. The melt flow index test has to be conducted by manufacturers' prior production.

A digital display is another feature provided in the testronix melt flow index which helps in accurate measurement of results.



Specifications-

- Display: LED (Digital)
- Temperature Range: Ambient to 400°C.
- Accuracy: $\pm 0.1^{\circ}\text{C}$.
- Resolution: 0.1°C .
- Least Count: 0.01gms.
- Dimensions of piston head: 9.47mm diameter $\pm 0.007\text{mm}$
- Diameter of heater tube cavity: $9.55\text{mm} \pm 0.007\text{mm}$
- Dimensions of Die: $2.095\text{mm} \pm 0.005\text{mm}$
- Weights: 2.16 kg; 3.8 kg
- Sensor Type: PT 100
- Temperature Controller: PID
- Power Supply: Single Phase, 220-240 AC, 50 Hz.
- Powder Coated body

Features-

- Microprocessor based PID controller
- Die Steel barrel for uniform and consistent heating of barrel/test cylinder.
- Corrosion resistant finish.
- Stop watch provided to measure time accurately
- Accurate manual cutting facility

