



## 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 which helps in accurate measurement of results.

Melt flow index consists of a microprocessor based PID temperature controller which a range of 0 degrees to 400 degree Celsius. It has very high precision with a resolution of 0.1 degree Celsius.

**The equipment adheres to all industry standards (ASTM D 1238, IS 2267, IS-2530, IS 10810)**

**MODEL NO. TX-MFI 100**





## FEATURES

- Die Steel barrel for uniform and consistent heating of barrel/test cylinder.
- Corrosion resistant finish.
- Powder Coated robust structure.
- Maximum Temperature as per international standards

## SPECIFICATION

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

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