

Melt Flow index tester Panorama

The melt flow index helps in analysing 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.

The panorama model is a high technology instrument with in built touch screen parameters. This instrument helps in calculating the melt flow rate of plastic granules accurately. All test results are displayed on the touch screen display of the instrument.

A digital display is another feature which helps in accurate measurement of results. The testronix 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 (**ATM D 1238, IS 2267, IS-2530, IS 10810**)



Features

- Die Steel barrel for uniform and consistent heating of barrel/test cylinder.
- Corrosion resistant finish.
- Powder Coated robust structure.
- Automatic sample cutting
- Touch screen model
- Computerised test reports for better analysis
- Simple touch operation with standard compliance
- Pen drive and USB Port connecting facility
- Graphical test report and easy data acquisition

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: 9.55mm $\pm 0.007\text{mm}$
- Dimensions of Die: 2.095mm $\pm 0.005\text{mm}$
- Weights: 2.16 kg 3.8 kg (Additional on Request)
- Power Supply: Single Phase, 220-240 AC, 50 Hz.
- Powder Coated body
- Temperature Controller: PID
- Automatic motorized sample cutting

