

## M3350

## Melt Flow Index apparatus

An evolutionary designed instrument, to meet various standards for determination of the Melt Flow Rate (MFI) and the Melt Volume Rate (MVR) of thermoplastic materials.

### Standard features

- ⊕ Includes all operating and cleaning tools, piston rod, orifices and 2 test weights of 2.16 and 5 kg.
- ⊕ Integral microprocessor based controller and timer.
- ⊕ Audio alarms for preheat completion and cut-off intervals.
- ⊕ Two-zone PID control of temperature.
- ⊕ Temperature range, ambient to 350°C,
  - ❖ Display resolution 0.1°C
  - ❖ Accuracy ±0.5°C.
- ⊕ Programmable test parameters.

### Options

- ⊕ Weight support for automatic lowering and lifting of the test weights
- ⊕ Test weights according all standard and custom applications
- ⊕ Programmable test cycles
- ⊕ Software for storage and statistics of data through RS485/RS232.



### The M3350 is especially appropriate for:

- ⊕ Control in production sites.
- ⊕ Control of raw materials and waste

### The M3350 is designed for efficient use:

- ⊕ Saving time - semi-automatic testing.
- ⊕ Less physical efforts – pneumatic assisted lifting and lowering
- ⊕ Avoids calculation mistakes - Automatic calculations

When connected to a PC the test data are registered, stored and available in a format for printing test reports including statistical calculations

### Supported Standards:

ISO 1133 / ASTM D1238 / ASTM D3364 (PVC) / DIN 53735 / NF T50-116 / BS 2782 / JIS K7210.

## Advantages

- ⊕ Sturdy construction → for a trouble-free operation in a production environment.
- ⊕ Ergonomic operation → Automatic lifting and lowering of test weights.
  - ❖ Avoids permanent operator's presence.
  - ❖ Possibility for applying selected load for accuracy and reproducibility.
- ⊕ Microprocessor control → Time saving by automation.
  - ❖ Controls pre-heating time.
  - ❖ Regulates cutting intervals by audible alarm.
  - ❖ Controls lifting/lowering of weights.
  - ❖ Display of results according 2 methods: MFR and MVR.
- ⊕ Temperature control → Accurate testing
  - ❖ Heating chamber, height adjustable
  - ❖ Temperature range 50 to 350°C
  - ❖ Two-zone control, independently adjustable

## Software for easy processing of test data

### Agilent Technologies



Data acquisition software for storage, transfer and statistical purposes.

- ⊕ Test reports
- ⊕ Initial parameters
- ⊕ Measuring time
- ⊕ MFR and MVR
- ⊕ Q/C compare to preset tolerances
- ⊕ Averages
- ⊕ Standard Deviation

## Specifications

Measuring methods	MFR and MVR
Temperature range	50 to 350°C
Temperature resolution	0.1°C
Temperature accuracy	±0.5°C
Software (optional)	OS – Windows 2000/XP
Supply:	
- Mains	230V/50 Hz
- Pressurised air	3 Bar, dry air
Weight	15 kg.
Dimensions – W x D x H in cms.	40 x 30 x 60