

MELT FLOW RATE TESTER/PLC CONTROL

The tester measure thermoplastic resin the quality of melt flow rate (MFR) , melt volume flow rate (MVR) . Widely used in plastic raw material, product, petroleum chemical industry and related junior college academy, research institution and commodity inspection department.

Standards:

- ASTM-D1238: Standard test method for thermoplastic melt flow rate.
 - ISO-1133: Determination of thermoplastic melt mass flow rate (MFR) and melt volume flow rate (MVR).
 - GB/T3682: Thermoplastics melt mass flow rate and melt volume flow rate measurement
1. Measuring method: Quality method/volume method
 2. Measure scope: (1g—100g)/10min, 0.01—350cm³/10min
 3. Temperature control scope: 50℃～450℃
 4. Temperature control precision: ±0.1℃
 5. Temperature display resolution: 0.1℃
 6. Temperature recovery time: <4min
 7. Cutting method: Auto-cutting
 8. Cut sample time interval: 1—180000s
 9. Timing accuracy: 0.01s
 10. Displacement measurement accuracy: ±0.1mm
 11. Heating time: <30min
 12. Power: 1 φ , AC220V, 50Hz, single phase three wire
 13. Dimension (W×D×H) : 550 X435 X880mm
 14. Weight: 62kg
- Accessories
 - 1) 1 cleaning brush
 - 2) 1 cloth cleaning rod
 - 3) 1 tamping rod
 - 4) 1 observation mirror
 - 5) 1 electric wood feeding funnel
 - 6) 1 pressurized weight rod
 - 7) 2 measuring gauges for fine hole molds
 - 8) Mercury temperature: 150 ℃, 200 ℃, 250 ℃, 300 ℃ (one can be selected)

Feature

This machine has a full color touch screen, the bilingual operation interface with a tight and attractive structure and a steady and reliable control system.

The control software can realize parameter setting, constant temperature, cutting, measurement, calibration, auto loading weights, timing, result display and melt density calculation. Data can be inquired and printed after finishing test.

It has a fast heating-up speed, low starting value and high precision of constant temperature. It can rapidly restore to the constant temperature state after adding materials. It has temperature upper protection, promptings of constant temperature and restoring sound.

The software system has the function of storing test parameters and can store multi-group of test parameters like quality method and volume method. One machine has multiple functions: timing ,cutting, auto-printing loading result.

