

Melt Flow Rate Tester

This melt flow rate meter uses automatic sampling and a balance weighing method. The instrument determines the volume of thermoplastic melt flow rate (MFR) according to the formula.



Overview

Precision Melt Flow Rate Testing

This Melt Flow Rate Tester is a professional-grade extrusion device designed for determining the melt mass-flow rate (MFR) and volume-flow rate (MVR) of thermoplastics. Ideal for quality control and research in the plastics and petrochemical industries, it offers precise temperature control and versatile testing capabilities. The unit supports both manual and automatic cutting methods and features an integrated printer for immediate, reliable documentation of test results.

Compliance & Standards

Certifications

CE • ISO 9001:2000 • SGS

Supported Standards

ISO 1133, ASTM D1238-98, GB/T 3682, GB/T 9643, JB/T 5456

Technical Parameters

Temperature Range	400 °C
Constant Temperature Accuracy	0.5 °C
Temperature Recovery Time	4 min
Power Supply	AC220V ± 10% 50HZ

Mechanical Specifications

Outlet Dimensions

2.095 mm

Diameter

8 mm

Length

Piston Dimensions

9.475 mm

Head Diameter

6.35 mm

Rod Length

Testing Capabilities

Test Load Levels

Level	Mass	Force
Level 1	0.325	3.187
Level 2	1.2	11.77
Level 3	2.16	21.18
Level 4	3.8	37.26
Level 5	5	49.03
Level 6	10	98.07
Level 7	12.5	122.58
Level 8	21.6	211.82

Cutting Method

Manual or Automatic

Features

Key Features

- High-speed, adjustable heating system
- Rapid temperature recovery after sample loading
- Integrated micro-printer for automatic report generation
- Easy calibration and parameter adjustment
- Chinese liquid crystal display interface