

Summary:

Melt Flow Index Tester, Plastic Melt Flow Rate Test Instrument used to measure the thermoplastic resin melt mass flow rate (MFR), melt flow rate (MVR) volume and the density of the melt, it is not only applicable to the high melting temperature of polycarbonate, nylon, fluorine plastic, aromatic sulfones engineering plastics, also applies to polyethylene, polystyrene, polypropylene, ABS resin, poly formaldehyde resin with lower melting temperature, such as plastic test, widely used in plastic raw materials, products, petroleum and chemical industries, and related colleges and universities, scientific research units and the commodity inspection department.

Standards:

GB/T3682-2000,ISO1133-97, ASTM1238

Features:

1.Using advanced electronic measurement technology, liquid crystal display test results, the micro printer output results and calculating the quality of the melt flow rate (MFR) or melt volume flow rate (MVR) (note: single determination value and many times the average of the cutting material).

2.Tester compact structure, beautiful, the control system can real time measurement and display temperature numerical, has the upper limit temperature protection, constant temperature sound reminders, response time tip etc. Function. The use of advanced PID control technology and high speed and high resolution sampling circuit, make the machine in constant temperature is the following characteristics:

A: heating speed, the dinky overshoot.

B: constant temperature and high precision.

C: in the packing after, can quickly restored constant temperature condition.

Cheap 380V Customized Tablet MFI

Tester can be used for ABS, polystyrene, polyethylene, polypropylene, polyamide, fiber, resin, acrylate, POM, fluorine plastic, polycarbonate and other plastic materials, the melt flow rate (MFR) or the melt volume flow rate (MVR) to be determined.

Advantage of our Melt Flow Index Tester, Plastic Melt Flow Rate Test Instrument

- High-precision Chinese-English switchable color controller, specially customized film button, have incomparable advantages control accuracy and service life.
- Automatic and manual cutting control, accurate to 0.1s, can be arbitrary set cutting time and cutting times.
- Built-in micro printer can print test data
- Double temperature control system, using double imported heating ring, double imported PT100 platinum resistance sensor,improve the test accuracy and temperature stability
- Added displacement sensor, can achieve test in MVR (volume method) with 0.01mm accuracy.
- The MVR method can output the test results directly without cutting.
- The density value of the material at certain temperature can be calculated by the ratio of MVR method and MFR method
- The computer can be connected via USB, and test conditions can be set on the computer by software to print data and store data (optional).

Main Parameters:

Model	NG-MI400	NG-MI400P
Display	LCD	TOUCH SCREEN
Additional Function	NA	Can connect to PC (Please Remarks this Function before Order)
Test Method	MFR & MVR	
Charging barrel diameter	9.55±0.025mm	
Outlet diameter	8.000±0.025mm	
Diameter of die head	Φ2.095±0.005mm/Φ1.05mm±0.005mm	
Temperature range	RT~450°C	
Temperature display resolution	0.1°C	
Temperature fluctuation	±0.2°C	
Time display resolution	0.1S	
Weight accuracy	±0.5%	
Displacement sensor	0.01mm	
MVR Timing Accuracy	0.001S	
Displacement measuring encoder	Omron optical rotary encoder	
MFR test range	0.1-150g/10min	
MVR test range	50-5000cm3/10min	
Output	Mini printer	
Cutting method	Automatic and Manual	
Test load	Total 8 level, 8 sets of weight	
Power	AC220V±10% 50HZ	

Model Selection:

Model	Picture	Operate	Test Method
NG-XNR400		LCD Screen+ Key Operation	MFR Mass-Flow Rate
NG-XNR400T		Touch Screen Operation	MFR Mass-Flow Rate
NG-MI400		LCD Screen+ Key Operation	MVR + MFR Volume-Flow Rate + Mass-Flow Rate
NG-MI400P		Touch Screen Operation (Can Connect PC for Data Reading)	MFR Mass-Flow Rate (Can Customize MVR Method)