

HNR-400ET Automatic MFI / MFR Plastic Melt Flow Rate Index Tester



Picture is for reference only

Summary:

High melt flow rate instrument meter, used for testing all kinds of plastic, resin in the state of viscous flow through a certain temperature and load, every 10 min module and melt flow rate through the standard port MFR/MVR value, it is suitable for high temperature of polycarbonate, aromatic sulfone, fluorine plastics, nylon engineering plastics, can also be applied to polyethylene (PE), polystyrene (PS), polypropylene (PP), ABS resin, polyformaldehyde (POM), polycarbonate (PC) resin with lower melting temperature, such as plastic test, widely used in plastic production, Plastic products, petrochemical and other industries as well as relevant colleges and universities, scientific research units and commodity inspection departments.

Mainly test standards:

I GB/ t3682-2018: determination of melt flow rate and melt volume flow rate for thermoplastics

I ISO 1133:1997: determination of melt mass flow rate MFR and melt volume flow rate MVR for thermoplastics

I ASTM D1238: ASTM D1238: standard test method for determination of flow rate of thermoplastics melt by extruded plastimeters

Technial specifications:

Temperature range	40℃-450℃
Temperature drift	4 hours ≤0.5℃
Temperature uniformity of 10mm-70mm above the die	±0.5℃
Temperature fluctuation	±0.2℃
Temperature uniformity	±1℃
Temperature display resolution	0.1℃
Time display resolution	0.1s
Spin the sample time	1~999S, can set on the touch screen
Mouth mold diameter	Φ 2.095 ± 0.005 mm or Φ 1.05 mm± 0.005 mm(optional)
Outlet length	8.000±0.025mm
Charging cylinder diameter	Φ 9.474 ±0.007 mm
Length of piston rod	6.35±0.13mm
Diameter of charging barrel	Φ9.550±0.007mm
Displacement measurement accuracy	0.01mm
Displacement measurement encoder	omron photoelectric rotary encoder
Quality test range	0.1-150g/10min
Volumetric test range	50-800cm ³ /10min
Output mode	micro automatic print output

Cutting mode	manual or automatic cutting
Test load	8 classes, 8 sets of weights
The weights accuracy	±0.5%
Power supply	AC220V±10% 50HZ