

KASON HDT-V6 Series Vicat Heat Deflection Testers



Application

This series high-precision melt flow rate instrument tester, 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 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 industry and related colleges and universities.

Standards:

GB/T3682-2000 "Determination of Thermoplastic Melt Flow Rate and Melt Volume Flow Rate"

ISO 1133: 1997 "Determination of Thermoplastic Melt Mass Flow Rate MFR and Melt Volume Flow Rate MVR"

ASTM D1238 "Standard Test Method for Measuring Thermoplastic Melt Flow Rate by Extrusion Plastometer"

Product Features

1. Automatic Loading System:

The unique automatic loading device enables programmable automatic loading, allowing for automatic calculation of the melt flow rate ratio.

2. Melt Rheological Properties:

The melt flow rate meter measures the flow rate of polymers under different loads. By referring to polymer rheology research methods, several key parameters characterizing melt rheological properties are obtained, including shear rate, shear strength, apparent viscosity, and molecular weight. Results comparable to those obtained with expensive and complex capillary rheometers are obtained, providing reliable guidance for factories in selecting raw materials and determining processing conditions.

3. PC Data Processing:

Controlled by a tablet computer, the instrument can be connected to the Internet for remote database management. Test data can be downloaded and stored, analyzed, printed, and exported using PC software.

4. Multilingual Interface:

The instrument utilizes a high-resolution tablet computer and provides a user-friendly interface. It can plot MVR-time, MFR-time, and viscosity-shear rate curves. The interface supports multiple languages, including Chinese, English, French, German, and Italian, meeting the needs of customers in different countries and regions.

5. Automatic Test Function:
After filling, the system automatically starts the timer and automatically loads the weight after the timer expires. The test automatically begins when the weight reaches the mark and automatically unloads after the test is complete.

Technical Parameters

Model	KASON-MFI-450A
Flow rate measurement range	MFR:(0.1~100)g/10min; MVR:(0.01~350)cm ³ /10min
Temperature control range	100℃~450℃
Heating time	<30min
Temperature fluctuation	±0.1℃
Temperature indication error	≤0.5℃

Temperature recovery time	<4min
Displacement accuracy	0.02mm
Displacement resolution	0.005mm
Timer accuracy	0.01s
Cutting time interval	1~36000S
Volume measurement accuracy	±0.03%F.S
Weight rating (kg)	0.325;1.20;2.16;3.80;5.00;10.00;21.60
Weight accuracy	±0.5%
Power supply	(220-15%~220+10%)VAC 50Hz 0.8kVA Single-phase three-wire
Dimensions (L x W x H)	(630×690×1500)mm
Weight	Approx. 220kg

FOCUS IN MATERIAL TEST

KASONTTEST®

JINAN KASON TESTING
EQUIPMENT Co, LTD.

DuandianIndustrial Park , Jingshi Road, Jinan City,China.

P: +86 159 1008 1986

E: admin@jnkason.com | **W:** www.syjlab.com

Tel: +8615910081986



www.syjlab.com