

**Product introduction:**

This tester for high precision automatic melt flow rate instrument, 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 plastic, nylon and other 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, such as petroleum and chemical industry and related colleges and universities, scientific research units, and the commodity inspection department.

**Test standard:**GB/T3682-2000,ISO 1133,ASTM D1238

**Product advantages:**

Multi-segment (five-stage) control temperature control, five sets of platinum resistance sensors, five heating sets separately controlled temperature, high-precision intelligent PID control, temperature rise slope is adjustable

Temperature resolution of 0.1 °C, the temperature uniformity of 0.2 °C, the temperature fluctuation of not more than 0.5 °C within 24 hours, the displacement sensor resolution is 0.001 mm.

Temperature overtemperature protection device

The automatic cutting of the hand can set the cutting time (0 ~ 999) and the number of cutting times (0 ~ 999).

The test can choose the quality method, or volume method, or two test methods simultaneously, and can calculate the flow rate ratio. Both methods start testing when the piston rod moves to a certain location.

The built-in temperature stabilizes the alarm and adds 240 seconds (GB3682) to the pre-heat second countdown of the material. After the countdown, it can also set up the preheating time, such as the American standard (ASTM).

The built-in multi-plastic material melt index test conditions, convenient for customers to adjust the use, reduce the cumbersome workload, and store the last test conditions and results

Built-in mini printer to facilitate printing of test data

Touch screen controller has high precision, 7 inch touch screen, can be stored and print out the last 50 (or group) 20 test conditions and data, test print menu Settings include test time (the default) system, operating personnel, material name, test method, test conditions (temperature, weight weight, blanking interval) data, test results, test results, the artificial judgement OK or NG, etc.,

Reserved RS232 interface or USB interface to connect computers, can will instrument operation and test data transmission through computer control to save on the computer can be retrieved by some conditions, such as according to the test of time, all test results between the two periods, or by the tester name or name or test materials test result is OK, retrieval, and then add some statistical functions such as drawing histogram, scatter diagram, etc., and can be connected through a computer device.

It can load the weight by hand or drive the ball screw through the stepping motor to achieve the goal of automatic control of the top loading weight.

**Main technical parameters:**

Temperature range: 0 °C to 450 °C

Temperature fluctuation degree, plus or minus 0.2 °C

Temperature uniformity: + / - 1 °C

Temperature display resolution: 0.1 °C

Time display resolution: 0.1S

Cylinder diameter:  $\Phi$  2.095 + / - 0.005 mm

Outlet length: 8.000 + 0.025mm

Charging cylinder diameter:  $\Phi$  9.550 + / - 0.025 mm

Weight accuracy: plus or minus 0.5%

Output: micro-automatic printing output

Cutting method: automatic cutting of hand

Test load: level 8, 8 sets of weights

Power supply voltage: AC220V plus or minus 10% 50HZ