

Automatic Tag Flash Point Tester

test method

For determining flash point through an Automatic Tag Closed Cup Tester, conforming to ASTM D56. Used for flash point determinations of liquids with a viscosity below 5.5 mm²/s (cSt) at 40 °C (104 °F), or below 9.5 mm²/s (cSt) at 25 °C (77 °F), and a flash point below 93 °C (200 °F), except for cutback asphalts which tend to form a surface film under test conditions and materials which contain suspended solids.

automatic tag flash point tester

- Conforms to ASTM D56, D3941, D3934, and related specification
- Integrated wireless temperature sensor and thermocouple detection
- Selectable gas or electronic ignition; built-in safety logic and automatic error messages.
- Built-in Peltier cooling system; external cooling bath optional for extended low-temperature capability
- Integrated Thermal Printer and Large-Capacity Data Storage

The Automatic Tag Flash Point Tester is a bench-top, fully-automatic Tag Closed-Cup flash point tester that combines high-accuracy temperature sensing, selectable ignition modes (gas or electronic), automatic detection and safety interlocks, built-in cooling (Peltier) with optional external refrigeration bath for low-temperature determinations, and data storage/communication for traceable records. Designed to meet the precision and procedure requirements of ASTM D56 and comparable standards.

ordering information

catalog no. description

K87760 Automatic Tag Flash Point Tester, 110-220V 50-60Hz



K87760 Automatic Tag Flash Point Tester

specifications

Conforms to the Specifications of:

ASTM D56, D3941, D3934; ISO 1516, 1523;

GB/T 21929, 21775

Measurement Range: 10°C to 130°C (with internal refrigeration)

-30°C to 130°C (with external refrigeration)

Temperature Sensor: Integrated wireless temperature sensor

Sensor Resolution: 0.1 °C

Measurement Accuracy: ±0.1 °C

Ignition Method: Selectable between gas and electronic

Flash Fire Detection Method: Thermocouple detection

Data Record Storage: 2000 Groups

Cooling Method: Built-in Peltier cooling system (external cooling bath optional)

Minimum Cooling Temperature: -35°C (requires external cooling bath)

Blind Sample Test: Supports unknown sample pretest

Alarm/Prompt Function: Audible beep at the end of the test; automatic error message display

Data Output: Built-in micro thermal printer; results transferable to LIMS

Communication Interface: RJ45 Ethernet, RS232

Electrical Requirements

110-220V 50/60 Hz

Dimensions l x w x h, in.(cm)

18.7 x 9.06 x 14.96 (47.5 x 23.0 x 38.0)

Net Weight: 38.58 lbs (17.5 kg)