RIGO

Automatic Flash Point Tester

RF-301 Series

NEW

RFT-301 RFP-301 RFC-301

Easy Operation & Comfortable Measurement Environment.
RIGO's RF-3 Series, 3 Models of Automatic Flash Point Tester Lineup.

RF-301 Automatic Flash Point Tester Series have three kinds of types which can be chosen according to the purpose. That is, there is RFT-301 for Tag Closed Cup, RFP-301 for Pensky-Martens Closed Cup, and RFC-301 for Cleveland Open Cup.
This series is composed of test unit and control unit, and the two units can be placed separately according to your convenience.

Large-Sized Color Graphic panel

By adopting a large-sized Color Graphic Display with Touch Panel, it became much easier to see and to operate.

Simple Operation

Heating control, sample ignition and flash point detection are automatically carried out after a simple operation of setting an expected flash point and touching a start switch.

Standard Equipment

Printer interface and RS232C interface are equipped as standards.

Automatic Revision Function for Atmospheric Pressure

The flash point is automatically revised according to atmospheric pressure, so that you can always have a reliable result regardless of the altitude of measuring place.

Safety features

When a thermal fuse is blown after a sample flashes, or when a thermo-sensor has a circuit failure, the heater is turned off with an issue of an electronic alarm sound.

(When any of the following takes place in the process of a test, a corresponding error message will be displayed on the LCD screen with an electronic alarm sound.)

- The thermo-sensor, the flash point detector, or the heater has a circuit failure.
- An inserting sample has higher temperature than an expected flash point.
- CPU works abnormally. (With no message on a screen.)
- No flash point is detected even when a test temperature has reached measuring temp. range.
- A thermal fuse is blown by ignition of sample. (Exception : RFT-301)

SPECIFICATION	RFT-301	RFP-301	RFC-301
Measuring Method	Tag Closed Cup (TAGC)	Pensky-Martens Closed Cup (PMCC)	Cleveland Open Cup (COC)
Applicable Standards	JIS K2265		
	ASTM D56	ASTM D93 (Method A/B)	ASTM D92
	—	ISO 2719 (Method A/B)	ISO 2592
Measuring Range	+10 to 93℃	+40 to 300℃	+50 to 400℃
	−20 to 93℃ (for Low Temp. Model)		
Number of Unit	1	1	1
Temperature Detector	Platinum Resistance Thermo-sensor (Pt100Ω)		
Flash Detector	Temperature Differentiation by Thermocouple		by Detecting Ion Emitting from Flash Flame
System Control	Digital Control by 16 Bit CPU		
Result and Terms-and-Conditions Setup	TFT Color Graphic Display, 5.7″, 256 Colors, 320×240 dot		
	Setup of Terms and Conditions etc. Touches the Character Displayed on the Panel		
	The Measurement Progress, the Measurement Result, an Alarm, etc. are Displayed		
Atmospheric Pressure Revision	Automatic Revision Function for Atmospheric Pressure		
Temp. Rising Rate	1℃/min. and 3℃/min.	5 to 6℃/min. and Rapid Function	5.5℃/min. and 14 to 17℃/min.
Heating Bath	Brass Watre Bath	Metal Block	Panel Type Metal Block
	Metal Block (For Low Temp. Model)		
Quenching Devices	—		by Work of Flame-proof Shutter on Ignition of Sample
Heater	Panel Type, 350W	Band Type, 350W	Thin Pipe, 800W
	Cartridge Type, 150W×2 (For Low Temp. Model)		
Compulsory Cooling	Circulation of City Water	Air-cooling Fan	Air-cooling Fan
	Circulation of Coolant in Cooling Bath (Note:1)		
Gas Supply	City Gas or LP Gas		
Power Supply	AC 100 V, 50/60 Hz		
	5A	5A	10A
Overall Demensions	230 (W)×430 (D)×375 (H) mm (Test Unit)		
	230 (W)×425 (D)×158 (H) mm (Control Unit)		
Net Weight	Approx. 19 kg		
Standard Accessories	Test Cup, Strainer, 1 pc. each (Note:2)	Test Cup 1 pc.	Test Cup 1 pc.
Optional Accessories	Decompresion Valve for City Water works	—	
	Digital Printer with Connecting Cable		

Note 1: The optional cooling bath is necessary. Note 2: The low-temperature model is one test cup only.

Specifications Subject to Change without Notece.

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