Measure Flash Point of Hydrocarbon Products Quickly, Accurately, and Completely On-Line!

ON-LINE FLASH POINT MONITOR







ON-LINE

The PSPI Flash Point Monitor is an onstream procress monitor for measuring flash points of liquid fuels over a range of 10° to 121° C (50° to 250° F). The analyzer robust design and measurement principle (no catalyst used in the measurement) delivers reliable

measurements over time independently of fuel's sulfur content. The 45607 Flash Point analyzer is completely microprocessor controlled with self-diagnostic capabilities, making it economical and simple to operate and maintain.

ADVANTAGES

- Designed to measure Flash Point from 10°C to 121°C
- No catalyst used, performance is not impacted by sulfur content in the measured stream
- Microprocessor-controlled instrument with self-test and diagnostic capabilities
- Analyzer configuration can be changed without opening the explosion proof enclosure

APPLICATION RANGE

Products Flash Point is one of the key final products specifications in the refineries. By having an online monitoring solutions refineries can optimize plants profitability while at the same time meeting quality requirements

STANDARD METHODS

In correlation with:

- ASTM D56 Tag Closed Cup
 ASTM D93 Pensky-Martens
 - Closed Cup



solidpartners provensolutions

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General Information		
Ordering Information 45607 AT - 115: Process Flash Point 100-120 VAC		
	45607 AT – 13. Process Flash Point 100-120 VAC	
Standard Test Method	Correlates to ASTM D56 and D93	
Operation		
Analytical principle	Hydrocarbon Flash Point value determination	
Response Time	Typically 1 – 7 minutes. Cycle time varies with process operating conditions. Application dependant	
Application Range		
Measurement Ranges	10° to 121°C (50° to 250°F) ¹	
Accuracy	Correlates to ASTM D 56 and D 93 - Repeatability +/- 1.0°C	
Sample Conditions		
	Sample Phase: Liquid	Sample Return Press.: Atmospheric pressure
	Sample Flowrate: 30 to 50ml/minute	Sample Temperature: At least 15°C (59°F) below expected lowest flash point temperature (cooling may be required in sample conditioning system)
	Sample Inlet Pressure: 5 - 10 psig	Sample Viscosity: No greater than 220cSt at 38 °C (100 °F)
Supply & Connections		
Instrument Air	strument Air Clean, dry and filtered a 600-1000 cc/minute and regulated at 10 psig	
Power Requirements		
Voltage	100-120 or 220-240 VAC (+/-10%), 50/60 Hz, single phase	
Power	500 W	
Interface Specifications		
Remote Standby	Terminals available for customer-supplied dry contact control of instrument. Allows control room to take monitor "off-line"	
Analog Output	Isolated 4-20mA for Flash Temperature (standard) Isolated 4-20mA for Sample Temperature (optional)	
Alarm Relay	SPST fail-safe alarm relay	
Digital Outputs	Modbus over RS-232C, RS-485, RS-422, Ethernet	
"Come Read" Contact	Dry relay contact for end of measurement cycle notification (optional).	
Environmental Conditions		
Operating temperature	0°to 40°C; weather protection required; no direct sunlight	
Storage temperature	Consult Factory	
Altitude	Sea level to 2,000 meters	
Safety Characteristics		
ATEX	ATEX, IEC Ex: II 2 G Ex, IIB + H2 T4 Gb IP66	
CSA	Designed to Class I Div I Group B, C, D, T4 Type 13, 4, 4x or AEx d IIB+H2 IP66 (certification on request)	
CE	Compliant	
Physical Specifications		
Dimensions	48x24x13 inches (uncrated) ; 54x29x17 inch (crated)	
Weight	250 lbs (uncrated) ; 350 lbs (crated)	

¹ Consult PAC for other temperature ranges

Continuing research and development may result ins pecificatons or appearance changes at any time





🚱 Cambridge Viscosity