

Explosion protection

Ex protection marking	ATEX: Ex db IIB+H2 T6 Gb IECEX: Ex db IIB+H2 T6 Gb CSA/CUS Class I Div 1 Group B, C + D CE ²⁸¹³
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Technical data

Technology	measurement/small stainless steel flash chamber, spark ignition
Method	complies with: ASTM D56, ASTM D93
Measuring range	25 to 125 °C (77 to 257 °F)
Repeatability	± 1 °C or better
Reproducibility	≤ ASTM
Measuring cycle	measuring cycle typical 5 min or better
– Electrical data	
Nominal voltage	100 to 120 V AC 1 phase; 50/60 Hz 200 to 240 V AC 1 phase; 50/60 Hz
Maximum power consumption	less than 500 W
– Protection class	
– Ambient conditions	
Ambient temperature	operation -18 up to 40 °C (0 to 104 °F)
Ambient humidity	less than 90 %
Sample	
Quality	filtered 10 µm, without water or moisture
Consumption	0.9 to 6 l/h
Pressure at inlet	1.4 to 10 bar (20 to 150 psi)
Temperature at inlet	min. 10 °C below expected FP temperature ≤ 85 °C
Utilities	
– Instrument air Consumption	
Purge	60 l/h at 10 seconds per cycle
Operation	24 to 30 l/h continuous
Pressure at inlet	2.7 to 17.2 bar (40 to 250 psi)
Quality	clean dry, instrument air
– Coolant	
None required	

Signal outputs and inputs	
Analog outputs	Flash Point, sample temperature
Digital outputs	sample FP alarm, analyzer maintenance warning, analyzer fault alarm
Digital inputs	customer alarm, remote standby, stream switch, validation request
Electrical data of signal outputs and inputs	
Analog outputs	up to 3 to 4-20 mA self powered and isolated, 1 is standard
Analog inputs	optional
Digital outputs	up to 3 dry contacts programmable, alarm critical, come read, alarm warning
Digital inputs	up to 4 dry contact inputs
User interfaces	
Display	7" color graphics
Keyboard	5 button magnetic, no hot work permit required
Connections	
Sample inlet	1/4" FNPT
Sample outlet	1/4" FNPT
Vent/Drain	1/4" FNPT
Weight and dimensions	
Weight	approx. 228 kg (500 lbs)
Dimensions (W x H x D)	approx. 940 x 1803 x 762 mm (37" x 71" x 30" in)
Optional interfaces	
Analog outputs	optional, cell temperature
MODBUS interface	TCP/IP or Serial/RTU MODBUS output available