

Explosion protection

Ex protection marking	ATEX: Ex db IIB T6 Gb IECEX: Ex db IIB+H2 T6 Gb CSA/CUS Class I Div 1 Group B, C + D CE ⁰⁵¹⁸
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Technical data

Technology	absorbance or reflectance
Method	correlates with: ASTM D2500
Measuring range	-125 to 25 °C (-193 to 77 °F)
Repeatability	0.25 °C
Reproducibility	correlates with: ASTM D2500
Measuring cycle	less than 10 min
Product streams	diesel, kerosene
– 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	600 W
– Protection class	IP 65
– Ambient conditions	
Ambient temperature	0 to 30 °C (32 to 86 °F)
Ambient humidity	up to 90 %
Sample	
Quality	clean and filtered, less than 10 µm
Consumption	60 to 120 l/h
Pressure at inlet	2 to 24 bar (29 to 348 psi)
Temperature at inlet	15 to 85 °C (59 to 185 °F)
Utilities	
– Instrument air Consumption	If air cooled cyro then 25 CFM
Vortec Purge	12 l/h
Pressure at inlet	5 to 9 bar (80 to 120 psi)
Quality	plant air

– Coolant	
Consumption	if liquid cooled cyro then 120 l/h
Temperature	0 to 40 °C (32 to 86 °F)
Pressure at inlet	1 to 20 bar (min 2 bar different)
Quality	clean and filtered

Signal outputs and inputs

Analog outputs	Cloud Point, cell temperature, optical signals
Digital outputs	Cloud Point alarm, analyzer fault, come read
Digital inputs	customer alarm, remote standby, stream switch, validation request

Electrical data of signal outputs and inputs

Analog outputs	1 standard 4-20 mA self powered and isolated, 1 optional
Digital outputs	up to 3 dry contacts 250 V AC, 3 A
Digital inputs	up to 4 dry contact, (dry contact)

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

Weight and dimensions

Weight	approx. 228 kg (750 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 (Sig0, Sig90, cell temperature)
MODBUS	TCP IP/Serial RTU