

Explosion protection

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

Technology	uses a digitally controlled syringe sample handling system; micro sample 0.5 ml
Method	correlates with: ASTM D323, ASTM D4953, ASTM D5482, ASTM D5191, ASTM D6377
Measuring range	0 to 2.4 bar (0 to 35 psi)
Repeatability	3.4 mbar (0.05 psi)
Reproducibility	≤ ASTM
Measuring cycle	Less than 5 min
– 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	
IP 65	
– Ambient conditions	
Ambient temperature	operation -20 up to 40 °C (-4 to 104 °F)
Ambient humidity	up to 90 %
Sample	
Quality	clean dry, filtered less than 10 µm, no free water
Properties	
Consumption	1.2 to 6 l/h
Pressure at inlet	1 to 3.8 bar (55 psi)
Temperature at inlet	2 to 75 °C (35 to 167 °F)
Viscosity	max. 15 cST
Utilities	
– Instrument air Consumption	
Cell Purge	10 l/h
Pressure at inlet	1 bar to 17.2 bar (14 to 250 psi)
Quality	clean dry, oil and particulate free, instrument air
– Coolant	
None required	

Signal outputs and inputs

Analog outputs	RVP values, analyzer system/ maintenance warning, RVP1, RVP2, TVP (with option) cell temperature, 2 outputs standard analysis measurement indication
Digital outputs	RVP value alarm, analyzer maintenance warning, analyzer fault alarm, come read, in validation, analyzer warning (plus your listed), 3 dry contacts programmable
Digital inputs	customer alarm, remote standby, stream switch, validation (dry contact)

Electrical data of signal outputs and inputs

Analog outputs	3 x 4 to 20 mA, self powered and isolated
Digital outputs	250 V AC, max. 3A, 3 dry contacts
Digital inputs	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
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 pressure, validation result, cell temperature, TVP, additional on request
MODBUS	TCP/IP or Serial/RTU MODBUS output available