

PERFORMANCE

Accuracy	0 to 50 ppm: ± 2% F.S. / > 50 ppm: ± 2.5% F.S.
Repeatability	0 to 1 ppm: ± 2.5% F.S. / 0 to 0.1 ppm: ± 5% F.S.
Linearity	± 2% F.S.
Sensitivity	± 1% F.S.
Response Time	30 Seconds to Alarm [Excluding Sample Conditioning System]
Measurement Range	H₂S and/or Total Sulfur: 0 to 0.1 ppm, 0 to 300 ppm, > 300 ppm [Dilution] Arsine / Phosphine / Phosgene / Chlorine: Customized Upon Request
LDL	0.005 ppm

ENVIRONMENT

Temperature / Humidity	0 to 50°C [32 to 122°F] / 0 to 95% Relative Humidity [Non-Condensing]
Installation	Indoors or Suitable Enclosure
Dimensions / Weight	903W: 482 x 432 x 229 mm [19" x 17" x 9"] / X kg. [40 lbs] 903D2: 686 x 838 x 318 mm [27" x 33" x 12.5"] / 20.4 kg. [45 lbs.] 903D1, 903CE: 686 x 838 x 318 mm [27" x 33" x 12.5"] / 29.4 kg [60 lbs.]
Total Sulfur Option	Additional 9 kg. [20 lbs] and 381 mm [15"] Width
Enclosure	903W: Fiberglass 903D2, 903D1, 903CE: 304 Stainless Steel


UTILITIES

Power / Consumption	90 - 230 VAC, 10 - 32 VDC, or Solar Power, 10 Watts [250 Watts for TS]
Sample Conditions	100 cc/min. / 1 bar [15 psi] / 0 to 100°C [32 to 212°F]
Calibration Gas	100 cc/min, 1 bar, 15 psi [H ₂ S in Nitrogen]; Permeation Tube Module Option.
Hydrogen (TS)	180 cc/min, 1 bar [15 psi]

COMMUNICATIONS

Analog Outputs / Inputs	6 x 4-20mA Outputs (Loop-Powered) / 2 x 4-20mA Inputs [Loop or Self-Powered]
Modbus	Serial RS232 or RS485 [TCP/IP Optional]
Digital Outputs / Inputs	3 x SPDT Relays Standard [Additional 3 Upon Request] / 8 Discrete Inputs
Human Machine Interface	Monochrome LCD With Extendable Keypad
PC GUI	USB or Ethernet Access

CERTIFICATIONS

CEC / NEC	Class I Div. 2 Groups BCD T3 / Class I Div. 1 Groups BCD T3
ATEX / IECEx Zone 1	 II 2 G Ex db [ia] ia op is IIB+H ₂ T4 Gb T _{amb} = 0 to +50°C
Country-Specific	China Pattern Approval, India CCOE, Russia Pattern Approval, Russia TR-CU