

PERFORMANCE

Accuracy	H ₂ S, SO ₂ : ± 1% F.S.; COS, CS ₂ : ± 5% F.S.
Repeatability	H ₂ S, SO ₂ : ± 0.1% F.S.; COS, CS ₂ : ± 0.5% F.S.
Linearity	H ₂ S, SO ₂ : ± 1% F.S.; COS, CS ₂ : ± 5% F.S.
Sensitivity	H ₂ S, SO ₂ : ± 0.1% F.S.; COS, CS ₂ : ± 5% F.S.
Zero Drift	± 0.1% F.S. 24 Hours [Auto Compensated Via Periodic Auto-Zero]
Response Time	T90: ≤ 5 Seconds
Method / Technology	Direct Measurement / UV Spectrophotometry [Deuterium or Xenon lamp ≥ 5 years life]
Components	H ₂ S, SO ₂ , COS, CS ₂ , Air Demand [Calculated]

ENVIRONMENT

Ambient Temperature	CEC/NEC: 0 to 40°C [32° to 104°F]; ATEX/IECEX: -20 to 60°C [-4° to 140°F]
Relative Humidity	0 to 95% Non-Condensing
Installation	Indoors or Suitable Enclosure; After 1st Condenser and/or After Catalytic Stages
Dimensions	1,110 x 1,448 x 380 mm [43.3" x 57" x 15"]
Weight	125 kg. [275 lbs.]
Enclosure	Painted Steel or 304/316SS, IP65, NEMA 4X; Split Oven & Controller Option Available


UTILITIES

Power / Consumption	100 - 240 VAC, 50/60 Hz, 800 Watts
Sample Flow	Adjustable Via Aspirator Drive Medium [Air or Nitrogen] Settings
Instrument Air	3.8 - 8 bar, 623 L/min [55 - 115 psi, 22 SCFM]
Nitrogen	3.8 - 8 bar, 25 L/min [50 - 55 psi, 0.9 SCFM] Option for Zero Gas, Aspirator Drive
Steam	3.4 - 3.8 bar [50 - 55 psi] For Heating the Sample Nozzle and Ball-Valve

COMMUNICATIONS

Analog Outputs	4 x 4-20mA Outputs (Loop-Powered)
Digital Outputs / Inputs	Modbus TCP/IP or RS485; Web-Browser Based GUI
Digital Inputs	1 x Wet Contact
Human Machine Interface	Color LCD With Extendable Keypad

CERTIFICATIONS

CEC / NEC	Class I Div. 2 Groups CD or BCD T3
ATEX / IECEX -  Ex II 2 G	TGX-CE: Ex db eb ia mb pxb IIC T3 Gb / TGS-CE: Ex eb ia mb pxb IIC T3 Gb IP65 Analyzer Oven: Ex db eb ia mb IIC T3 Gb IP65 / Ta=-20 to +60°C
ECM	Ex db eb ia mb pxb IIC T4 Gb IP65