

BRIMSTONE

PRODUCT SPECIFICATIONS

GALVANIC

APPLIED SCIENCES

PERFORMANCE	
Accuracy	H ₂ S, SO ₂ : ± 1% F.S.; COS, CS ₂ : ± 5% F.S.
Repeatability	H ₂ S, SO ₂ : ± 1% F.S.; COS, CS ₂ : ± 5% F.S.
Linearity	H ₂ S, SO ₂ : ± 1% F.S.; COS, CS ₂ : ± 5% F.S.
Sensitivity	H ₂ S, SO ₂ : ± 1% F.S.; COS, CS ₂ : ± 5% F.S.
Zero Drift	± 1% F.S. [Auto Compensated Via Periodic Auto-Zero]
Method/Technology	UV Spectrophotometry
Response Time	T ₉₀ : 10 Seconds
Calculated Value	Air Demand [Calculated]

MEASURED COMPONENTS	HIGH RANGE	LOW RANGE
H ₂ S	0- 10%	0- 1%
SO ₂	0- 5%	0- 0.5%
CO ₂ /CS ₂	0- 5%	0- 0.5%

ENVIRONMENT	
Ambient Conditions	0 to 60°C [-4° to 140°F] 0 to 95% Non-Condensing
Installation	Indoors or Suitable Enclosure; After 1st Condenser and/or After Catalytic Stages
Dimensions/Weight	1,110 x 1,448 x 380 mm [43.3" x 57" x 15"] / 125 kg. [275 lbs.]
Enclosure Materials	TGX North America Painted Steel or 304 Stainless Steel TGS CE Controller 304 or 316 Stainless Steel / Oven Fiberglass TGX CE 304 Stainless Steel or 316 Stainless Steel

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 / Inputs	4 x 4-20mA Outputs [Loop or Self Powered]
Digital Outputs / Inputs	4x SPDT Relays For Alarm Annunciation
Human Machine Interface	Color LCD With Extendable Keypad
PC GUI	Web Browser Based/Local Connection or Local Area Connection

CERTIFICATIONS

North America	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-Controller: Ex eb ia mb pxb IIC T3 Gb TGS Oven: Ex db eb ia mb IIC T3 Gb / Ta=-20 to +60°
Russia	EX EAC