

BRIMSTONE SPECIFICATIONS

PERFORMANCE

Components Measured	H ₂ S, SO ₂ , COS & CS ₂
Zero drift	Automatically compensated through continuous reference wavelength measurement and periodically through auto zero
Accuracy	± 1 % of full scale for H ₂ S and SO ₂
Repeatability	± 1 % of full scale for H ₂ S and SO ₂
Sensitivity	± 1 % of full scale for H ₂ S and SO ₂
Linearity	± 1 % of full scale for H ₂ S and SO ₂
Response time	T-90, 10 seconds

ENVIRONMENT

Ambient temperature	-20°C to 60°C (-4°F to 140°F)
Dimensions	1100 mm H x 1448 mm W x 380 mm D (43.3" H x 57" W x 15" D)
Weight	125 kg (275 lbs)

UTILITIES

Power & consumption	100 to 240 VAC 50/60 Hz, 800 watts
Sample flow	Adjustable via aspirator drive medium settings to optimize response time
Air requirements	5.5 to 8.3 barg, 623 L/min (80-120 psig 22 SCFM)
Steam	3.4 barg(50 psig) for probe heating > 10.3 barg (>150 psig) for oven (CSA units only)

COMMUNICATIONS

Digital Outputs	Modbus RS 485, Modbus TCP/IP
Digital Inputs	1 wet (12-24 VDC)
Analog Outputs	4 x 4-20 mA, user scalable, loop powered
Relays	4 x SPDT relay, 8 amps @300 VAC/25 VDC

APPROVALS & CERTIFICATIONS

CSA Class 1 Div 2, Groups CD, T3
ATEX Ex d e ia mb px IIC T3 Gb
IECEX Ex d e ia mb px IIC T3 Gb
Russia TR-CU