

PRELIMINARY DATASHEET

ETHYLENE OXIDE ANALYZER



Ethylene Oxide Analyzer

Specifications:

Measurement Technology	Cavity Enhanced Absorption Spectroscopy
Species / Precision	C ₂ H ₄ O: < 2 ppb (1sigma, 1sec) H ₂ O: < 200ppm (1sigma, 1sec)
Species / Drift	C ₂ H ₄ O: TBD
Specie / Measurement Range	C ₂ H ₄ O: 1ppb - >1ppm H ₂ O: 500 - 30,000ppm (non-condensing)
Data Rate	1 Hz
Flow Response Time	Better than 0.5 -1 Hz, 1/e
Ambient Operating Temperature Range	0-45 °C
Ambient Humidity Range	0-95% RH, non-condensing
Gas Sample Connectors	¼" Swagelok
Data Connections	Serial (RS-232)
Network Access	Built in Wi-Fi card, Ethernet (RJ-45)
Other Interfaces	USB-A / HDMI
Dimensions	22" x 9" x 5.5" (56cm x 23cm x 14cm)
Weight	4 Kg / 8.8 lbs
Power Input	14 - 36 VDC, 2.5 A
Power Consumption	< 30 W
Internal Data Storage	30 GB
Calibration	Yearly
Sample flow Rate	0.5-1 SLM
Communication Platform	WiFi
Warranty	1 yr