

DATASHEET

PORTABLE METHANE ANALYZER



CH₄/H₂O Portable Methane Analyzer (PMA)

PMA Specifications:

Measurement Technology	Cavity Enhanced Absorption Spectroscopy
Species / Precision	CH ₄ : < 10ppb/1s H ₂ O: < 200ppm/1s
Species / Drift	CH ₄ : TBD
Species / Measurement Range	CH ₄ : 0 – 80 ppm Highly Linear CH ₄ : 0 – 10,000 ppm w/ non-linear correction H ₂ O: 0 – 30,000ppm
Data Rate	2 Hz
Sample Flow Rate (flow response time)	4 – 5 SLPM (Better than 1 Hz, 1/e)
Ambient Operating Temperature Range	5 - 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-3 / HDMI
Dimensions	Pelican 1400 Protector Case (11.8x8.9x5.2in)
Weight	~ 11lbs (5Kg)
Power Input	14 – 28 VDC, 2.5 A
Power Consumption	< 30 W
Internal Data Storage	30 GB
Calibration	Yearly
Consumables	Inlet filters (interval environment specific), Pump (MTBF >10,000 hrs)
Warranty	1 yr