

# PRODUCT DATASHEET

## METHANE ETHANE PORTABLE ANALYZER



### Methane Ethane Portable Analyzer (MEPA)

#### MEPA Specifications:

Measurement Technology	Cavity Enhanced Absorption Spectroscopy
Species / Precision	CH <sub>4</sub> : < 2 ppb/s C <sub>2</sub> H <sub>6</sub> : < 500 ppt/s
Species / LoD (sensitivity)	CH <sub>4</sub> : < 6 ppb/s C <sub>2</sub> H <sub>6</sub> : < 1.5 ppb/s
Species / Measurement Range	CH <sub>4</sub> : 1 – 100 ppm – Highly linear C <sub>2</sub> H <sub>6</sub> : 0.001 – 3 ppm – Highly linear
	CH <sub>4</sub> : 1ppm - 1% & C <sub>2</sub> H <sub>6</sub> : 500ppt – 500ppm w/ non-linear correction (single extended mode)
Data Rate	2 Hz
Sample Flow Rate	~ 1 Hz, 1/e
Ambient Operating Temperature Range	0°C - 45°C
Ambient Humidity Range	0-98% 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
Geospatial Location	GPS on-chip
Dimensions	22" x 9" x 5.5" (56 cm x 23 cm x 14 cm)
Weight	4kg / 8.8lbs
Power Input	14 – 36 VDC, 2.5 A
Power Consumption	< 30 W
Internal Data Storage	30 Gb
Calibration	Yearly
Consumables	Inlet filters (replacement frequency is environment specific)