

VOC1000

Methane, Non-Methane & Total Hydrocarbon Analyzer

The VOC1000 is designed to measure total, methane, and non-methane hydrocarbon gases providing accurate and reliable measurement data. The VOC1000 analyzer provides unparalleled flexibility and offers continuous, fully automated gas analysis over a broad range of concentrations.

The analyzer is based on a flame ionization detector (FID) with electronic control that delivers a small portion of the sample gas to the detector flame. During the combustion process, organic or hydrocarbon-based gases in the sample are ionized, then they are detected by the instrument and reported as a concentration.



Benefits:

- Flame ionization detector
- Hydrocarbon detection from sub-ppm to 1000ppm (Methane)
- Automatic calibration at user-defined intervals
- Electronic control of fuel, air and sample
- Electronic back-pressure regulator with sample bypass system ensures fast response
- Programmable analog output ranges
- Automatic FID ignition, with automatic shut-off of sample, fuel, and combustion air
- Graphical display and easy-to-use menu system

Specifications:

Detector:	Flame ionization detector
Oxidizer:	Oxidizes non-methane gases
Range:	0-200 ppm (0-1000 ppm optional)
Repeatability:	+/- 1% full scale
Drift:	+/- 1% of full scale (24 hours)
Response:	T90 < 30 seconds
Support Gases:	Hydrogen 35 cc/min Air 175 cc/min
Operating Temp.:	0-40°C
Operating RH:	0-95% non-condensing
Electrical:	90-230 VAC 50/60 Hz
Display:	8.8 x 11.4 cm graphical display
Relay Outputs:	5 programmable form A relays rated to 3A @ 230 VAC
Outputs:	1 programmable 0-20 or 4-20mA isolated output (optional 3 analog output board)
Digital Outputs:	RS232, Ethernet
Dimensions:	19" x 14" x 5" (48.3 x 36.2 x 13.3 cm) (W x D x H)
Weight:	19 lbs. (9 kg)
Connections:	1/4" tube fitting connectors

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