

Heated Hydrocarbon Analyzer

Series 9000H Analyzer

Accurate and Reliable High Temperature Hydrocarbon Analysis over a Broad Range of Concentrations

Continuously monitor total hydrocarbon content while maintaining the temperature of a heated sample above dewpoint.

Applications

- Compliance monitoring for EPA Methods 25A & 503
- Continuous Emission Monitoring (CEM) of source hydrocarbons
- Scrubber & oxidizer efficiency
- Carbon bed break through detection
- Industrial Hygiene & Safety Monitoring
- Chemical process blending
- LEL Monitoring
- Vehicle emissions



Continuous and Fully Automated Gas Analysis

Features & Benefits

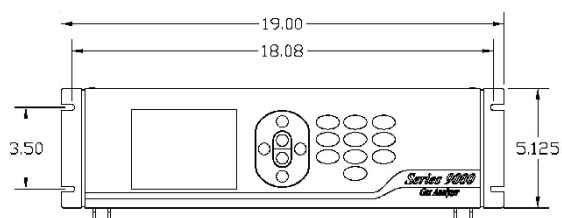
- Flame Ionization Detector
- Hydrocarbon Detection from sub-ppm to 50% levels (Methane)
- Graphical Display with Easy to use Menu System
- Sleek Rack Mountable Profile
- Automatic Calibration at User-Defined Intervals
- FlowGuard Electronic Control of Fuel, Air and Sample
- Electronic Back-Pressure Regulator with Sample Bypass System
- Discrete, multilevel concentration & fault alarms
- Programmable Analog Output Ranges
- Programmable Relays for Concentration, Alarms, Events and Diagnostics
- Automatic FID (Flame Ionization Detector) Ignition
- Automatic Shut-off of Sample, Fuel and Combustion Air
- Remote Operation via RS-232 and Ethernet
- Optional: 9000 Keeper Software allows for Remote Monitoring and Control

As part of the Baseline® Series 9000 Hydrocarbon Analyzer family, the 9000H has a dynamic range from 0.1 ppm to 10% (Propane) or 0.3 ppm to 50% (Methane). The analyzer has a generous complement of analog, digital and logic output capabilities.

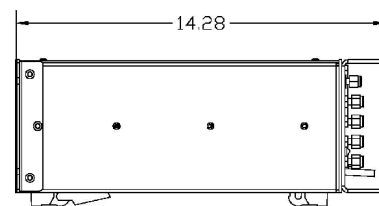
The detector used is a FID (Flame Ionization Detector) with FlowGuard electronic control that delivers a small part of the sample gas to the detector flame. During the combustion process, organic or hydrocarbon-based gases in the sample are ionized and then detected by the instrument and reported as a concentration.

The Series 9000H is configured for single point analysis of samples heated up to 376 °F (191°C). The automatic calibration feature enhances the long-term analytical stability of the instrument. These features place the instrument well ahead of the competition in performance, automation and configurability.

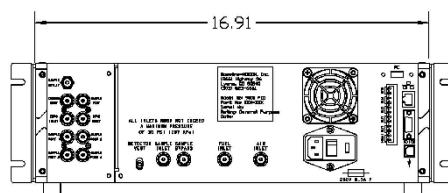
Detector	(FID) Flame Ionization Detector
Sample Temperature	Up to 376 ° F (191° C)
Ranges	User definable based upon calibration within;
	MDQ 0.3ppm, Full-scale 1 - 2,000 ppm (Methane)
	MDQ 0.6 ppm, Full-scale 1 - 20,000 ppm (Methane)
	MDQ 0.003%, Full-scale 0.01 - 50% (Methane)
Repeatability	+/- 1% Full-scale response
Drift	+/- 1% of full-scale over 24 hours
Response Time	< 5 seconds to 90% of final reading
Alarms	Multilevel concentration and fault alarms that result in audible and visual alarms Alarms may also be mapped to relays to control external equipment
Sampling	Internal single module for pre-filtered (<0.1 microns) non-condensing samples, with or without sample pump
Calibration	Programmable automatic or manual calibration
Support Gas	Hydrogen 40 cc/min, Air 200 cc/min (typical). Hydrocarbon content must be less than 1 ppm Fuel blend options available, consult Baseline
Power	90 – 230 VAC, 50/60Hz, 3A
Relay Outputs	5 programmable form A relays rated to 3A @ 230V AC
Analog Outputs	1 programmable 0-20mA or 4-20mA isolated output
Digital Outputs	RS-232, Ethernet



Front View



Side View



Back View

Dimensions are displayed in inches

Physical Characteristics

Dimensions	3u, 19.00" (48.3cm) W x 14.25" (36.2cm) D x 5.25" (13.3cm) H	Weight	< 25 lb (11.3 kg)
Configuration	Bench-top or rack-mount 19" (48.3cm) panel	Operating Temperature	32 - 104 °F (0 - 40 °C)
Connections	1/4" (6.35mm) tube fitting connectors	Operating Humidity	0 – 95% (non-condensing)

Baseline[®]
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