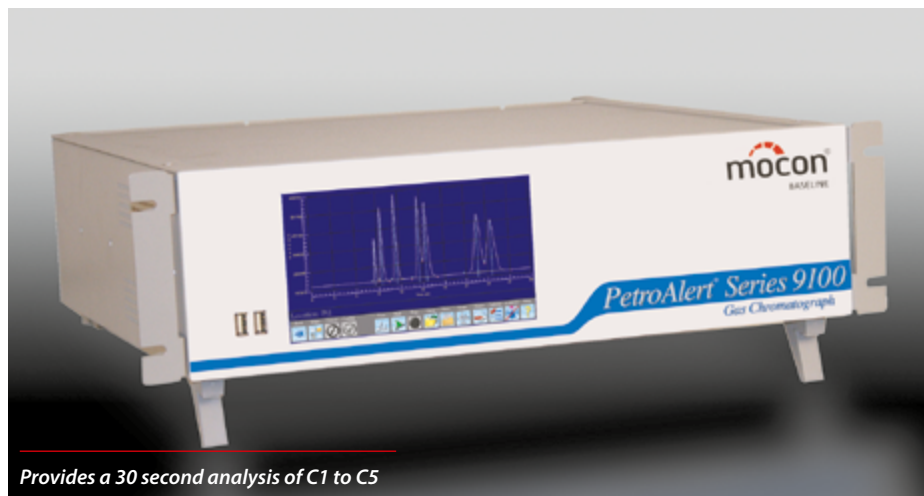


SERIES 9100 PETROALERT® ON-LINE GAS CHROMATOGRAPH



Provides a 30 second analysis of C1 to C5

Applications

- Mud/Well Logging
 - Light Hydrocarbon Analysis
C1 to C5 (methane, ethane, propane, butanes, and pentanes)
 - Heavy Hydrocarbon Analysis
C6+
- Others available upon request

Set up and installation take minimal effort, as every application is factory configured and tested. Our world-class team of Service Specialists are available to offer start-up, training and product support.

Features & Benefits

- Detection limit of < 10 ppm as CH₄
- Automatic FID Ignition
- Built in safety feature: Automatic shutoff for hydrogen & combustion air
- Integrated GC software - No need for external computer
- 2 USB ports for mouse, keyboard or flash drive
- Color LED graphical display with touch screen
- Automatic and remote • calibration
- Continuous unattended operation
- LAN connection
- Multiple analog output options
- User definable alarm relay options
- Internal software stores multiple analytical methods
- Multipoint sampling options

Rapid, accurate and linear results

The Baseline Series 9100 PetroAlert® incorporates the sensitivity, stability, linearity and selectivity of a flame ionization detector (FID), making it the ideal choice for the analysis of aliphatic hydrocarbons.

Designed specifically for the oil and gas industry's mud/well logging process. Fast C1 to C5 analysis is completed in 30 seconds, preserving the C1-C2 separation at 200:1 concentration ratios. A heavy hydrocarbon analysis is also available for applications that require C6+ analysis.

The PetroAlert integrates state of the art technology with the reliability and flexibility of gas chromatography. Utilizing AMETEK MOCON - Baseline's extensive experience, this instrument has been designed with key features to meet your technological requirements as well as offer the best return on investment to date. Incorporating powerful GC software makes the need for an additional computer a thing of the past.

Data collection features include chromatograms and user-definable text formats for exporting data to reports. Data storage options are either continuous or based on events, such as alarms.

The Series 9100 is a microprocessor-based instrument controlled by its internal system software. The software receives your instructions directly, using the touch screen on the front panel. The PetroAlert's automatic calibration feature is ideal for unattended operation. The compact size and design makes this unit suitable for field applications, allowing for either rack mount configuration or bench top use.



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DATA SHEET

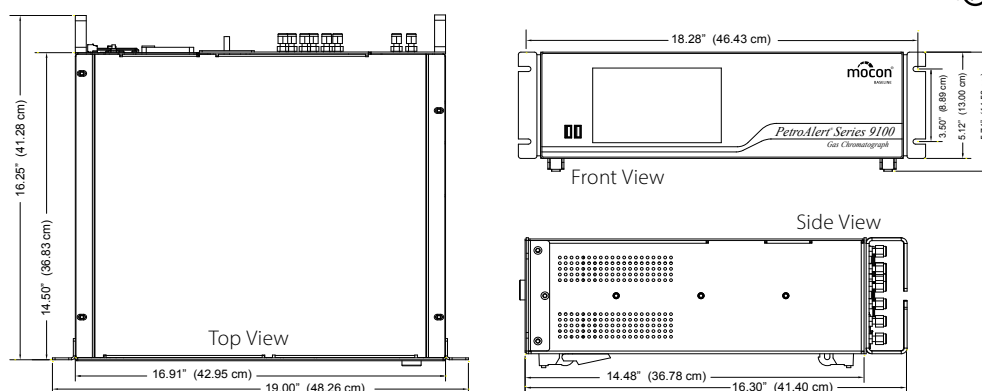
Specifications

Detector	Flame Ionization (FID)	Optional: Thermal Conductivity Detector (TCD). Contact us for details and specifications.
Linear Range	0 - 100% methane, CH ₄	MDQ: < 10 ppm CH ₄ full-scale Accuracy +/- 2%, full-scale
Inputs	Optional	Digital input board for 6 contact closure inputs. Supports start sequence (8 each), start sequence loop (8 each), open method (8 each), and diagnostic functions.
Outputs	Standard	Digital: RS-232, LAN
	Optional	I/O Board: 5 programmable (latched/not, NE/NNE) relays as contact closure (3 A @ 250 V DC); 1 analog output, 6 digital inputs
	Additional expansion boards: Relays: available in multiples of 8 up to 16 Analog: available in 4 or 8 analog outputs configurable as 4–20 mA or 0–20 mA; Voltage: Consult MOCON - Baseline for additional options.	
USB	Two ports on the front panel for a keyboard, mouse or flash drive	
Alarms	Concentration and fault; Audible; Selectively en-/disabled for keypad input, fault, alarms, and e-mail	
Display	7" Color LCD graphical display with touch screen	
Columns	Packed, micropacked, or capillary columns; Specific to application	
Analytical Valves	Standard: 10-port valve sample injection/column switching Optional: Contact MOCON - Baseline for additional valve options	
Sampling	Standard	Optional
	Single point analyzer for pre-filtered (1 micron), non-condensing samples	Internal: 4- or 8-point sampling External: 16 or more
Components, optional	Built-in or external sample pump, injection port (to sample loop)	
Calibration	Automatic or Manual using a dedicated standard	
Calibration Methods	Gas Cylinder, Model 8990 Permeation Calibrator, or response factors	
Support Gases	Combustion air — Zero. Hydrocarbon content must be < 1 ppm. Carrier — Ultra high purity (UHP) H ₂ Fuel — Ultra high purity (UHP) H ₂	
Operating Temperature	32 °F to 104 °F (0 °C to 40 °C)	Operating Humidity 0 to 95% (non-condensing)
Configuration	Bench-top or 19" (48.3 cm) rack-mount, 3U	Connections 1/4" or 1/8" O.D. tube compression fittings, 1/8" Legris, or 6 mm O.D. tube compression
Power	100230 V AC, 50/60 Hz, 2 Amp	Weight < 30 lb (13.64 kg)



Accessories

- Model 9150 Multipoint Sampler
- Model 8990 Permeation Calibrator
- Model 9130 Sample Conditioner
- Gas Generators — Zero Air, H₂ or N₂



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