BASELINE® 9100GAS CHROMATOGRAPH

Lab Quality Analysis in a Process or Field Analyzer



BASELINE® 9100 GAS CHROMATOGRAPH

The Baseline® 9100 on-line gas chromatograph blends state-of-the-art technology with the reliability and flexibility of gas chromatography. Building on decades of experience, this instrument has been designed with key features to meet your application requirements.

The GC is specifically designed for sub-part-per billion (sub-ppb) to percent level detection, dependent upon the application, to analyze a multitude of organic and inorganic compounds.

ACCURATE DETECTION

- · Integrated GC software
- Color LCD touch screen display
- · Automatic & remote calibration
- · Continuous unattended operation
- · Multipoint sampling options

MOCON will select the best detector for your application commonly utilizing Photoionization (PID), High-sensitivity Photoionization (HS-PID), Flame Ionization (FID), or Thermal Conductivity (TCD). Analytical arrangements typically involve a single valve, two column configuration, but may vary depending upon the application.

The Baseline 9100 touchscreen LCD display and internal system software keep configuration and operation simple and the automatic calibration feature is ideal for unattended operation. The compact size and design make this unit suitable for field applications, allowing for either rack mount configuration or bench top use.

UNLIMITED APPLICATIONS

- · Ambient air networks
- · Fence-line monitoring
- · Toxic gas detection in the workplace
- · Carbon bed breakthrough detection
- Trace impurities detection in specialty gases

A full suite of user configurable data collection, storage and outputs allow the GC to speak your language, your way. Users can configure up to 1 year of on-board storage of chromatograms, ASCII results via RS-232 or LAN, contact closure relays and 4-20 mA analog outputs, all independent of one another

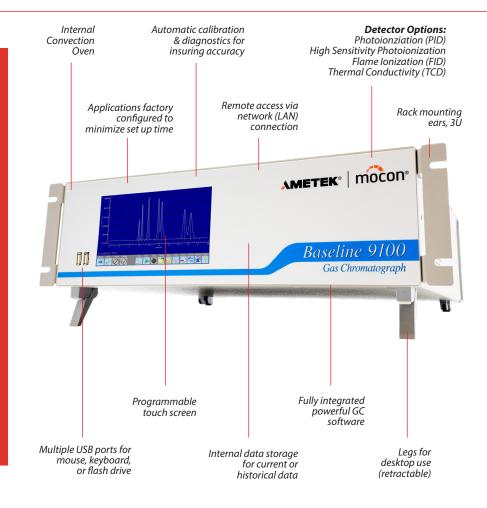
Features & Benefits

AUTOMATED CONTROL FEATURES

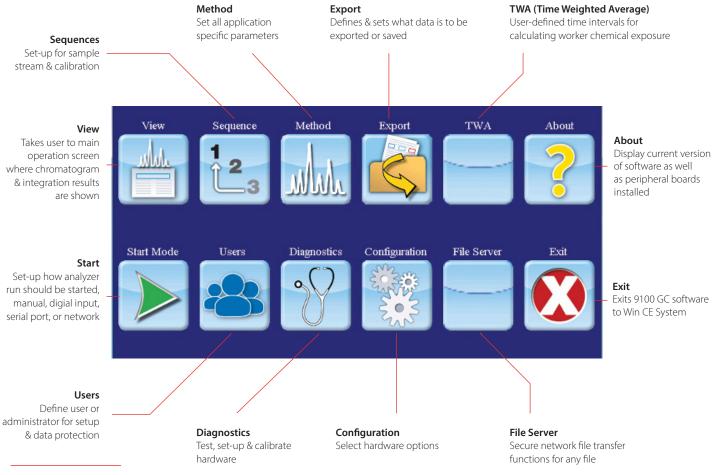
- FlowGuard control of fuel, air, and sample with automatic shut-off
- Automatic FID ignition
- Electronic back-presuure regulator with sample bypass system
- Automatic calibration at user-defined intervals

VERSITILE PLATFORMS

- Color LCD display and touchscreen with easy to use menu
- Benchtop or rack-mountable
- Single or multi-point sampling
- Ethernet and serial customizable output
- Programmable analog output ranges
- Programmable relays for diagnostics, concentration, alarms, and events



Display



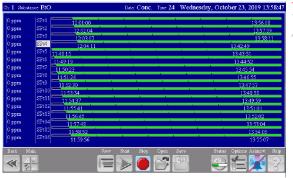
Display Choices



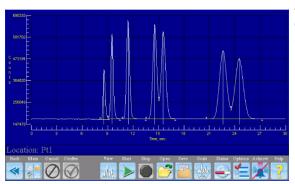
Table of
Components &
chromatogram



Table of Components



Time Weighted Average (TWA)



Chromatogram (C1-C5 Example)

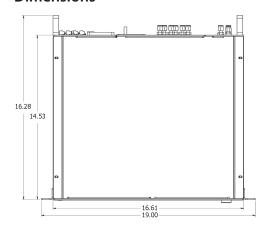
BASELINE® 9100

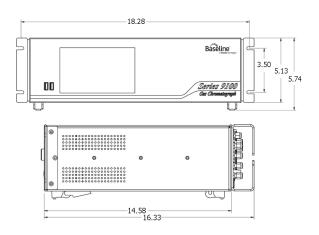
ON-LINE GAS CHROMATOGRAPH

Display

Detectors	Photoionization (PID) High-Sensitivity PID (HS-PID)			Flame lionization (FID) Thermal Conductivity (TCD)		(Dependent upon application)	
Inputs	Optional Digital input board for six contact closure inputs. Supports start sequence (8 each), start sequence loop (8 each), open method (8 each), and						
Outputs	Optional						
USB	Two ports on the front panel for a keyboard, mouse or flash drive						
Alarms	Fault and three user selectable concentration alarms; Audible, Selectively en-/disabled for keypad input, fault, alarms, and e-mail						
Displays	7" Color LCD graphical dispaly with touch screen						
Columns	Packed, micro-packed, or capillary columns; Specific to application						
Analytical Valves	Standard: 10-port valve sample injection/column switching.						
Sampling	Standard Single point analyzer for pre-filtered (1 micron), non-condensing samples				Optional Internal: 4- or 8- point sampling External: Additional 8- or 16- points via external sampler		
Components (Optional)	Built-in or external sample pump						
Calibration	Automatic or Manual using a dedicated standard						
Calibration Methods	Gas Cylinder, Baseline® 8990 Permeation Calibrator, or response factors						
Operating Temperature	32 F to 104 F	(0 C to 40 C)		Ор	erating Humidity	0 to 95% (non-condensing)	
Configuration	• Bench-top • 19" (48.3cm	or n) rack-mount	, 3U	Со	nnections	1/4" or 1/8" O.D. tube compression fittings or 1/8" Legris. Contact us for additional options	
Power	110-230 V A	C, 50/60 Hz, 2	Amp	We	eight	< 30 lb (13.64 kg)	

Dimensions





Accessories

- · Baseline® 9150 Multipoint Sampler
 - Fan additional sample points greater than 8
- · Baseline® 8990 Permeation Calibrator
 - To use with permeation tubes for calibration
- Baseline® 9130 Sample Conditioner
 - To provide a particulate and moisture free sample
- Gas Generators Zero Air, Hydrogen, Nitrogen





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