

# **BASELINE<sup>®</sup> 9200: DUAL DETECTOR GAS CHROMATOGRAPH**



Simultaneous lab quality analyses: GC/GC, GC/THA

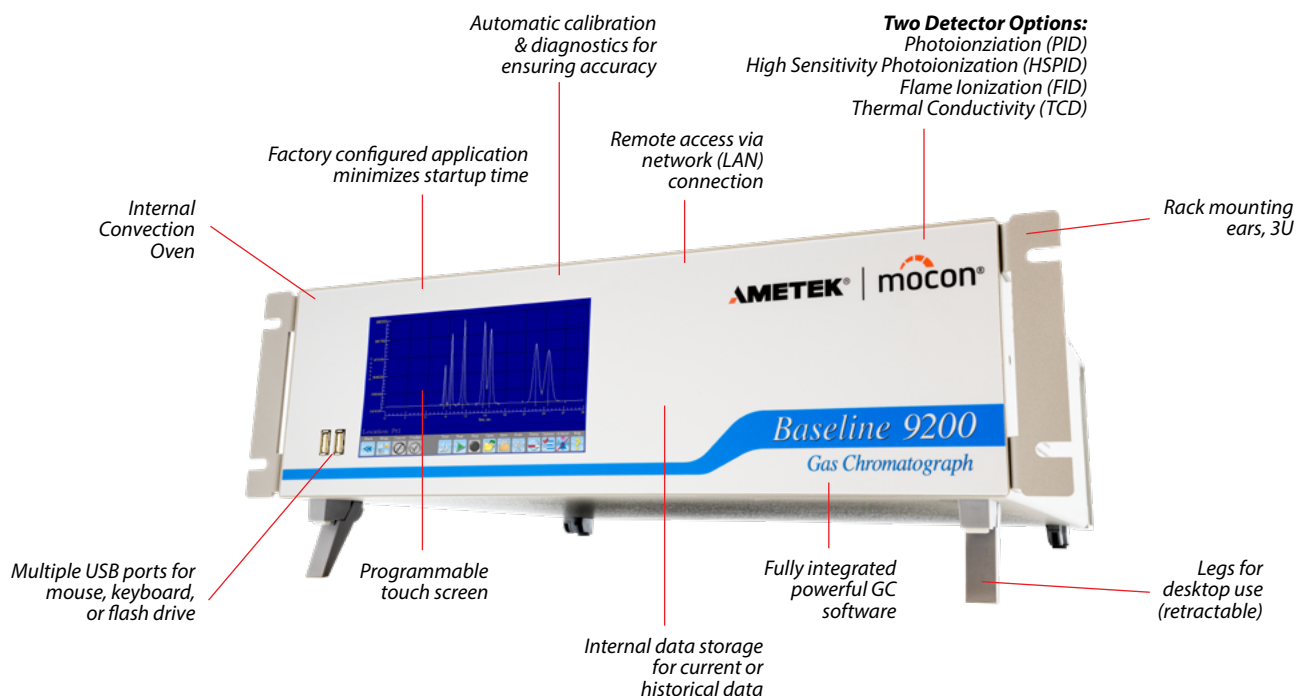
# BASELINE 9200

## DUAL DETECTOR GAS CHROMATOGRAPH

PRODUCT BROCHURE

The MOCON® BASELINE® 9200 gas analyzer combines the selective detection of a gas chromatograph (GC) with another simultaneous GC application or with the continuous monitoring abilities of a total hydrocarbon analyzer (THA) in a single, compact, sensitive and stable instrument.

Building on decades of experience, this instrument has been designed with key features to meet your application requirements. The GC component 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.



### Fast and Accurate – FID

Our proprietary FlowGuard electronic control regulates the delivery of fuel, air and a small portion of the sample gas to the FID. During combustion, gases are ionized, measured and reported as a concentration. This method provides fast gas measurement with some of the highest accuracy levels on the market.



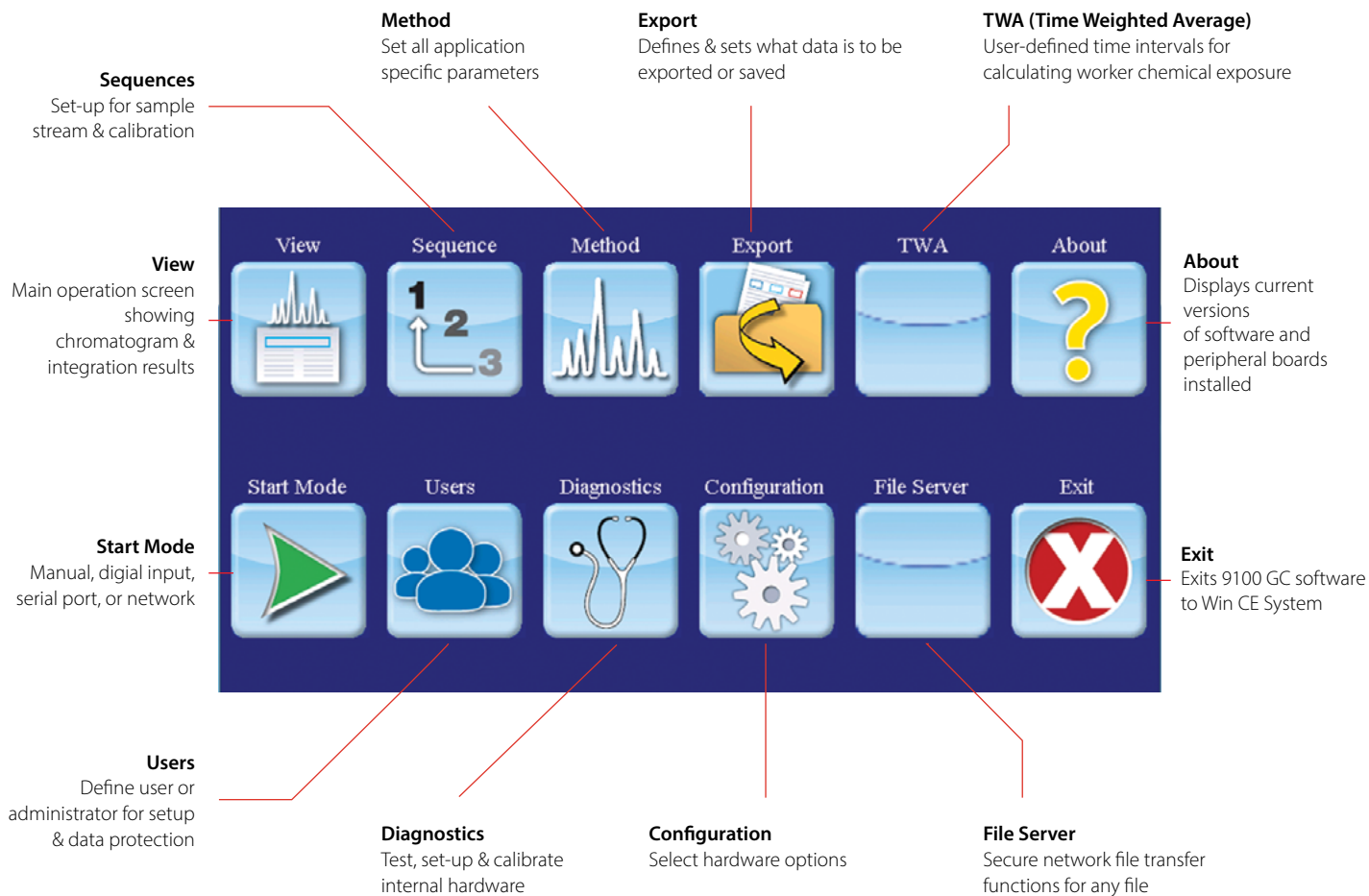
### Automated Control Features

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

### Versatile 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

# BASELINE 9200 DISPLAY



## Display Choices

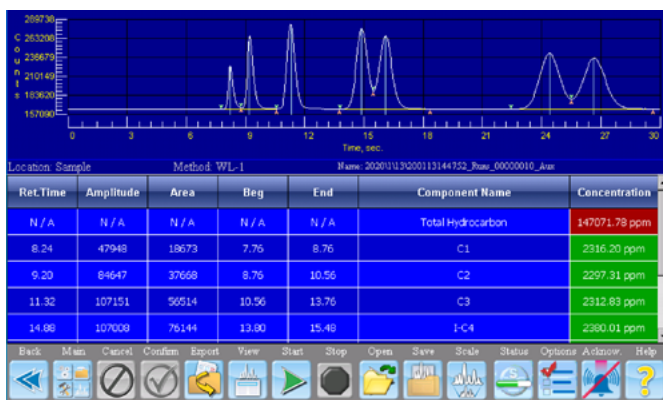
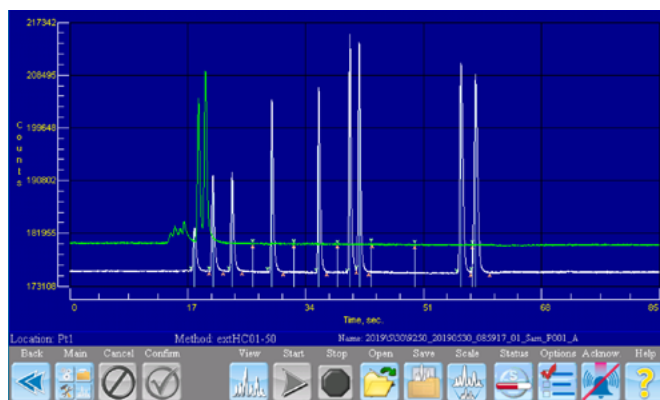


Table of components, chromatogram, & continuous analyzer



Dual analysis chromatograms

# BASELINE® SERIES: CONTINUOUS HYDROCARBON ANALYZERS

## Technical Specifications

Gas chromatograph - detector 1			
Detector	Photoionization (PID) High-Sensitivity PID (HS-PID)	Flame Ionization (FID) Thermal Conductivity (TCD)	(Dependent upon application)
Columns	Packed, micro-packed, or capillary columns; Specific to application		
Analytical valves	Standard: 10-port valve sample injection/column switching		
Gas chromatograph - detector 2 (Option)			
Detectors	Photoionization (PID) High-Sensitivity PID (HS-PID)	Flame Ionization (FID) Thermal Conductivity (TCD)	(Dependent upon application)
Total hydrocarbon analyzer- detector 2 (Option)			
Detectors and Ranges	Flame Ionization (FID). User definable based upon calibration: (Analyzer range is configured at the factory) Very Low - 0.01 ppm to 200 ppm • Low - 0.1 ppm to 2,000 ppm • Medium - 0.3 ppm to 20,000 ppm • High - 0.003% ppm to 100% ppm		
Repeatability	+ 1% full-scale response	<b>Drift, Zero</b>	+ 0.025% full-scale over 24 hours
Response time	T90 < 5 seconds	<b>Drift, Span</b>	+ 1% full-scale over 24 hours
Instrument			
Inputs	Optional	Six digital inputs can be used to trigger analyses and diagnostic functions	
Outputs	Standard	Digital:	RS-232, LAN
	Optional	I/O Board: Relays: Analog:	5 programmable (latched/not, NE/NNE) relays as contact closure (3 A @ 250 V DC); 1 analog output, 6 digital inputs Available in multiples of 8 up to 16 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	Fault and three user selectable concentration alarms; Audible, Selectively en-/disabled for keypad input, fault, alarms, and e-mail		
Displays	7" Color LCD graphical display with touch screen		
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)	<ul style="list-style-type: none"> <li>Built-in or external sample pump</li> <li>Manual sample injection port (to sample loop)</li> </ul>		<ul style="list-style-type: none"> <li>Methanizer</li> <li>Sulfur reducing catalyst</li> </ul>
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)	<b>Operating Humidity</b>	0 to 95% (non-condensing)
Configuration	<ul style="list-style-type: none"> <li>Bench-top or</li> <li>19" (48.3cm) rack-mount, 3U</li> </ul>	<b>Connections</b>	1/4" or 1/8" O.D. tube compression fittings or 1/8" Legris. Contact us for additional options
Power	110-230 V AC, 50/60 Hz, 2 Amp	<b>Weight</b>	< 30 lb (13.64 kg)

