

C1 to C5 Gas Speciation

Baseline Series 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 Series 9100 is a microprocessor-based instrument controlled by its internal system software. The GC's automatic calibration is ideal for unattended operation. There are a variety of industry standard outputs, such as network (LAN), RS232, multiple 4–20 mA or 0–20 mA, and multiple relays for concentration alarms, diagnostics or user specified timed events. 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 compact size and design makes this unit transportable and allows for either rack mount configuration or bench top use.



Benefits	Features
Automatic and remote calibration	Integrated GC software
Continuous unattended operation	2 USB ports for mouse, keyboard or flash drive
Multipoint sampling options	Color LED graphical display with touch screen
Multiple analog output options	Display options include: Chromatogram, Concentrations, Historical Data, Diagnostics Sequencing and Methods

**Series 9100
for Demanding
Applications**

Built strong for the tough and demanding Oil and Gas Industry.

SERIES 9100

FID GAS CHROMATOGRAPH

Detector	Photoionization (PID) High-sensitivity (HS-PID)	Flame Ionization (FID) Thermal Conductivity (TCD)	Pulse Discharge Ionization (PDD) Consult MOCON - Baseline for other options
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 diagnostic functions.		
Outputs	Standard Digital: RS-232, LAN Optional I/O Board: 5 programmable (latched/not, NE/NE) 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, micro-packed, or capillary columns; Specific to application		
Analytical Valves	Standard: 10-port valve sample injection/column switching. Contact MOCON - Baseline for additional valve option		
Sampling	Standard Single point analyzer for pre-filtered (≤ 0.1 microns), non-condensing samples	Optional Internal: 4- or 8-point sampling External: 16 or more	
Components, optional	• Built-in or external sample pump • Methanizer • Manual sample injection port (to sample loop) • Sulfur reducing catalyst		
Calibration	Automatic or Manual using a dedicated standard		
Calibration Methods	Gas Cylinder, Model 8990 Permeation Calibrator, or response factors		
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 or 1/8" Legris. Consult MOCON - Baseline for additional options
Power	115/230 V AC, 50/60 Hz, 3 Amp	Weight	< 30 lb (13.64 kg)

