Gas Filter Correlation CO Analyzer

Ecotech EC9830 Carbon Monoxide Analyzer

The EC9830 Carbon Monoxide Analyzer combines the benefits of microprocessor control with the NDIR Gas Filter Correlation photometry technique for accurate measurements in the range of 0-200 ppm with a detection limit of 40 ppb.

Improved sensitivity, noise, and zero drift specifications are obtained through the use of superior optical technology and the introduction of new electronics package, that provides improved control, diagnostics, internal data logging and USB connectivity.

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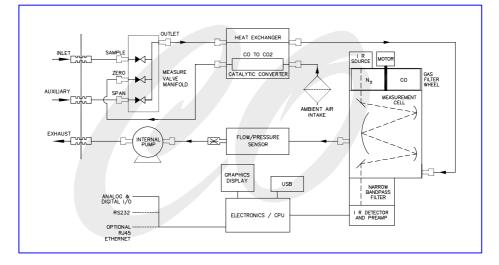
Features

- Large Graphic LCD provides advanced continuous system faults messages, status outputs, real time zero/span calibration curves, sample flow and sample pressure graphs.
- Internal zero air catalytic scrubber provides CO free air for user selectable auto zero sequence.
- Selectable 8 hour rolling average for compliance monitoring.
- The new SMT processor package combines total remote control and provides up to 100 channels of instrument operating parameters for troubleshooting and diagnostic capabilities via USB or RS232 interface.
- Inbuilt data logger using Flash ROM stores up to 175 days of 5 minute data
- Data stored can be retrieved via RS232, USB interface or the optional Ethernet connection to a TCP/IP network via an RJ45 connector.
- Ethernet option enables the user to download data from an analyser connected to the inter net via a standard web interface, also supports remote access to instruments parameters and the front screen remotely using a web browser.
- Internal pump and optional internal 12VDC power supply enables the EC9830 to be oper ated from a 12VDC power source for remote or mobile applications.
- Optional span valve for performing direct span calibrations from an external pressurized source
- USEPA Automated Reference Method RFCA-0992-088





Model EC9830 A Series Analyzer



Specifications

Ranges Display: Data Display: Display Resolution: Analog Out:	Auto ranging 0-100 ppb to 0-200 ppm Large Graphic LCD display, with unit selection mg/m ³ , ug/m ³ , ppm, ppb, ppt. User selectable (0-5 decimal points displayed). 0 - full scale from 0 - 100 ppb to 0 - 200 ppm with menu selectable offset of 0%, 5% or 10% offset. Auto-ranging between two user specified full-scale values
Noise: (at zero):	<20ppb RMS with Kalman filter active.
Lower Detectable Limit:	40 ppb with Kalman or 300sec filter active
Linearity:	± 1% full scale 0- 50 ppm range
Precision:	80 ppb or 1 % of reading whichever is greater
Zero Drift:	24 hours: < 100ppb
	30 days: < 100 ppb
Span Drift:	24 hours < 0.5% of reading
F 11	30 days <0.5% of reading
Filter types:	No filter, Kalman, 10,30,60,90,300 second and 8 hour rolling average
Precision:	1 % of reading 0-50 ppm, 2% 0-200ppm
Temperature/Pressure	
Compensation:	Pressure compensation with selectable reference temperature of 0°C, 20°C,
Sample Flow Date:	25℃ @ 1 01.3 kPa.
Sample Flow Rate: Temperature Range:	1 slpm, optional 2 slpm USEPA designated temperature range 15 - 35°C may be operated at 5°C – 45°C
remperature Range.	Temperature dependence, 0.1% per °C changes.
Analog Outputs:	Menu selectable 0 - full scale from 0.05 – 200 ppm, voltage jumper selectable 100mv,1,5 and 10v Menu selectable offset of 0%, 5% or10% offset. Menu selectable current output of 0-20mA.2-20mA and 4-20mA
Digital I/O DB50:	Local user DB50 I/O interface with 32digital open collector outputs and 3 digital inputs user controls. The digital outputs are 24 status output commands, 8 status alarm condi
Communication Port:	tions and 2 analog inputs 0-5V. Multidrop RS232 port shared between analysers for data, status and control. Service RS232 port gives front panel access to a Output Baud rates 1200 – 38400 baud or
Data Logging:	USB interface. Ethernet connection to a TCP/IP network via an RJ45 connector. Supports internal data logging capability with storage up to 175 days of 5 minute data
Data aslastian	stored in flash memory.
Data selection:	instantanagua data, 1.2.5.10.20, ar 60 minuta intervala
	instantaneous data: 1,3,5,10,30, or 60 minute intervals average 1,3,5,10,15,30 minutes, 1,4,8,12,24 hours or 8 hour rolling average.
Power:	99-132 vAC, 198-264 vAC 47-63 HZ, 110 Watts.
Dimensions/weight:	$43.2 \times 17.8 \times 64.8 \text{ cm}$ (w x h x d), weight 22 kg
Options:	Rack mount kit assembly (19") 9800036-2
Options.	External zero/span valve assembly (EZS) 98300087
	Zero/Span Valve for External Valve Pressurized Source (direct from cylinder)
	Pn.98301002
	Ethernet connection to a TCP/IP network via an RJ45 connector

For further information please contact our nearest office





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