

UV Absorption Ozone Analyser

Ecotech EC9810 Ozone Analyser

The EC9810 Ozone Analyser combines the benefits of microprocessor control with the ultraviolet (UV) photometry technique for accurate measurements in the ranges of 0-50 ppb to 0-20 ppm with a detection limit of 0.4 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.



Features

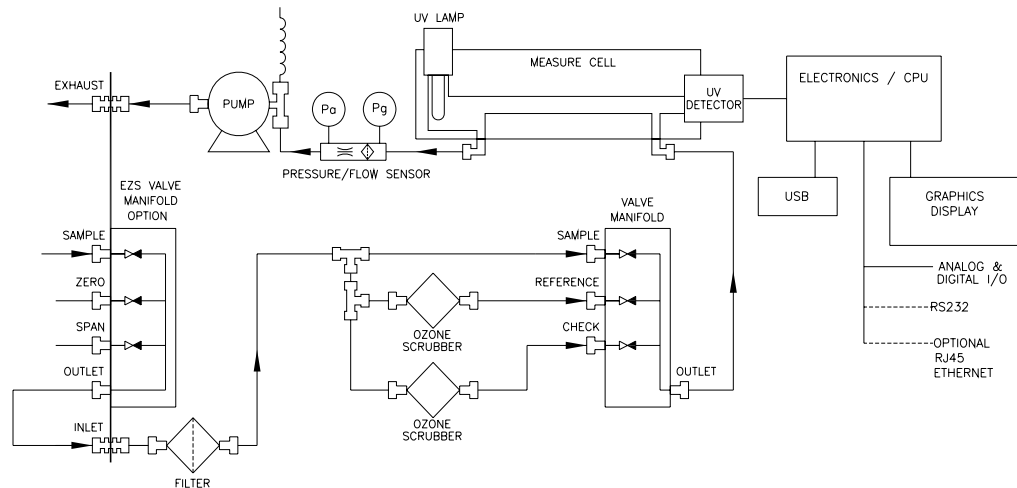
- Large Graphic LCD provides advanced continuous system faults messages, status outputs, real time zero/span calibration curves, sample flow and sample pressure graphs.
- The new SMT processor package combines total remote control and provides up to 100 channels of instrument operating parameters for 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 internet 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 EC9810 to be operated from a 12VDC power source for remote or mobile applications.
- Selectable rolling averages periods of 4 or 8 hours.
- USEPA Automated Equivalent Method EQOA-0193-091



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Model EC9810 A Series Analyzer



Specifications

Ranges:	Auto-ranging for 0-50 ppb to 0-20 ppm
Data Display:	Large Graphic LCD display, with unit selection mg/m ³ , ug/m ³ , ppm, ppb, ppt.
Display Resolution:	User selectable (0 - 5 decimal points displayed).
Analog Out:	0 - full scale from 0 - 50 ppb to 0 - 20 ppm with menu selectable offset of 0%, 5% or 10% offset. Auto-ranging between two user specified full-scale values
Noise (At zero):	<0.2 ppb RMS with Kalman filter active
Lower Detectable Limit:	0.4 ppb or 0.2% of reading with Kalman filter active
Linearity:	< 1% of full scale (from best straight-line fit)
Precision:	1 ppb or 0.5 % of reading above 50 ppb, whichever is greater
Zero Drift:	24 hours: < 1ppb 30 days: < 1 ppb
Span Drift:	24 hours < 0.5% of reading 30 days < 0.5% of reading
Temperature/Pressure Compensation:	Pressure compensation with selectable reference temperature of 0°C, 20°C, 25°C @ 101.3 kPa.
Sample Flow Rate:	500 cc/min
Temperature Range:	5°- 40 °C (U.S. EPA approval 15°C – 35°C)
Analog Outputs:	Menu selectable current output 0-20 mA, 2-20 mA, 4-20mA
50 pin I/O PCA:	Allows for jumper selectable voltage outputs of 100 mV, 1 V, 5 V, 10 V with menu selectable zero offset of 0,5% or 10% .
Digital I/O DB50:	Local user DB50 I/O interface with 32 digital open collector outputs and 3 digital inputs user controls. The digital outputs are 24 status output commands, 8 status alarm conditions and 2 analog inputs 0-5V.
Communication Port:	Rear panel multi-drop RS232 port shared between analysers for data, status and control and front panel service RS232 port. Output Baud rates 1200 – 38400 baud. Plus USB interface and optional ethernet connection to a TCP/IP network via an RJ45 connector.
Data Logging:	Supports internal data logging capability with storage up to 175 days of 5 minute data stored in flash ROM.
Data Storage selection:	Instantaneous data selectable period from: 1,3,5,10,30, or 60 minute intervals Average data selectable period from: 1,3,5,10,15,30 minutes, 1,4,8,12, or 24 hours
Power:	99-132 vAC, 198-264 vAC 47-63 HZ, 110 Watts
Dimensions/weight:	43.2 x 17.8 x 64.8 cm (w x h x d), weight 21 kg
Options:	Rack mount kit assembly (19") 9800036-2 External zero/span valve assembly (EZZ) 98300087 Ethernet connection to a TCP/IP network via an RJ45 connector

For further information please contact our nearest office

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