

Dissolved Ozone Monitor

Multi-Output Ozone Monitor

The A15/64 Dissolved Ozone monitor provides reliable real-time measurement to improve process control and efficiency. The direct sensing probe responds quickly and requires little maintenance. 4-20 mA Output & time delayed controls.



Features

- Two Ranges (0-2.000 & 0-20.00 PPM)
- 0.001 & 0.01 PPM resolution, respectively
- Flowcell & NEMA 4X Enclosure Included
- High Accuracy
- 4-20 mA output
- easy installation & calibration
- Temperature Compensated Sensor

Product ID: **A15-64**

In Stock: **Yes**

Price: **\$2,995.00**

Specifications

Display:	16 character alpha-numeric LCD with back light
Measurement Range:	Programmable for 0-20.00 ppm standard or 0-2.00
Sensitivity:	0.001 ppm above 0.005 ppm
Repeatability:	+/-0.01 ppm
Linearity:	0.5%
Response Time:	90% in < 60 seconds
Analog Output:	Isolated 4-20 mA, 600 ohms maximum
Output Range:	Programmable for any range from 0-1 ppm to 0-20 ppm
Control Relays:	Two SPDT, 5A., 230 VAC resistive with programmable setpoints
Alarm Relays:	One SPDT 5 A., 230 VAC resistive with programmable setpoints
Electrical Connection:	Two plug-in terminal blocks
Operating Temperature Electronics:	-20 to 50°C, sensor: 0-50°C
Operating Humidity:	0-99% non-condensing
Sensor Cable:	25 foot standard, 1,000 foot maximum

A15/64 Sensor Module



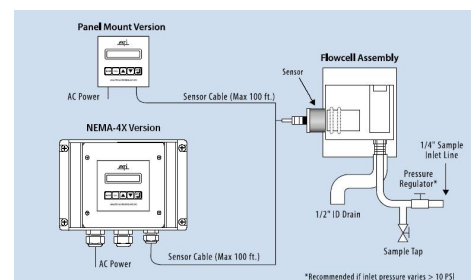
In operation, ozone diffuses through a membrane at the tip of the sensor and is reduced to oxygen. The reaction causes current to flow between the sensing and counter electrodes, with the current being directly proportional to dissolved ozone concentration. In essence, the sensor operates like a battery, with zone causing current to flow. Since the sensor consumes ozone in the measurement, sample flow is required for measurement.

Acrylic Flowcell



The A15/64 monitor is provided with a constant head overflow chamber which automatically regulates the sample flow past the sensor. Flow variations at the inlet to the overflow cell have no effect on the ozone measurement, insuring the highest possible data validity. The flowcell is made from clear cast acrylic, allowing the user to view the condition of the membrane without removing the sensor from the flowing sample. The sensor inserts into the side of the flowcell and is sealed in place by double o-rings. For systems requiring a flow system that is not open to atmosphere, a sealed flowcell with 1/8" FNPT fittings for inlet and outlet connections is available.

A15/64 Installation Schematic



In low range, the monitor displays ozone over a range of 0-2.000 ppm with a resolution of 0.001 ppm (1ppb). In high range, the display is 0-20.00 with a resolution of 0.01 ppm. For special applications, a high range system of 0-200 ppm is available. An isolated 4-20 mA output may be programmed for external recording or data logging. This output may be programmed for any required span using the front panel switches and may be changed to 0-20 mA and used with a shunt resistor to provide zero based voltage outputs if required.

This is a top of the line dissolved ozone monitor.