

Online Chlorine Ambient Air Monitor with Alarms & Battery Backup



The OMD-351-Cl Ambient Air Monitor is designed to measure and assure the appropriate level of chlorine in an enclosed or confined area. Personal safety is a primary issue in nearly every industry and is magnified within confined spaces where oxygen depletion or asphyxiation due to a leak in an inert gas container can quickly and unexpectedly take place.

The OMD-351-Cl is designed with an easy to use user interface with features that are optimized for safety and mitigate the dangers of confined spaces and chlorine. The analyzer comes with 2 pre-configured Cl concentration alarms that match the OSHA recommendations. Alarm functionality comes in the form of 2 fully adjustable, form C non-latching, relay contacts, an integral audible buzzer and local LEDs' loaded into the front of the unit. The unit also has a built in POWER FAIL relay contact.

The unit comes standard with an integral battery backup which helps accentuate "brown out" conditions. With this standard feature, power outages will not interfere with a properly working monitor. The standby power source uses a rechargeable lead acid battery.

The chlorine sensor used in the OMD-351-Cl is based on the galvanic electrochemical fuel cell principal. All Cl sensors are manufactured in house by Southland Sensing Ltd. under a strict quality program. The sensors are self-contained and minimal maintenance is required - no need to clean electrodes or add electrolyte.

- 0 - 20 PPM Concentration Range
- Precision Electrochemical Sensor Technology
- Barometric Pressure Compensation
- Two Concentration Relay Contact Alarms
- Power Failure Alarm Relay Contact
- Integral Audible Buzzer Alarm
- Integrated Rechargeable Battery Backup
- Integral Visual Alarm LEDs'

Specifications

Accuracy:	< +/- 1% of Full Scale Range*
Alarms:	(2) Adjustable Relay Contacts (1) Power Fail Relay Contact
Analysis Range:	0 - 20 PPM
Audible Alarm:	Integral
Barometric Pressure Compensation:	Integral
Battery Backup:	Rechargeable
Calibration:	Periodically
Dimensions:	9.5x 6.5 x 3.8 inch
Display:	Large with Backlight
Enclosure:	Painted Aluminum
Output (Analog):	4 - 20mA
Power:	100 - 240 VAC
Response Time:	T90 in 15 Seconds
Sensor:	Cl-AMB
Sensor Life:	36 Months (Approximately)
Temperature:	0 - 50 deg C
Temperature Compensation:	Integral
Visual Alarms:	Panel Mounted LED's
Warranty:	12 months Analyzer & Sensor
Weight:	13.0 lbs

*Accuracy at constant conditions

Optional Configurations:

- 24V DC Input Power
- Remote Oxygen Sensor (OMD-351-O2-Remote)
- O2 / CO2 Ambient Air Monitor (OMD-351-O2-CO2)
- Oxygen Ambient Air Analyzer (OMD-351-O2)
- CO Ambient Air Monitor (OMD-351-CO)
- H2S Ambient Air Monitor (OMD-351-H2S)