

Basic Features

- ◆ High Reliability
- ◆ Time Weighted Average (TWA)
- ◆ Compact & Lightweight & Durable
- ◆ Battery Status LED

Specifications

Sensor	Electrochemical
Nominal Range	0-30 ppm
Maximum PPM	34 ppm
Resolution	0.01 ppm
Response Time	<60 Seconds
90% peak	1% of signal
Repeatability	Linear
Linearity	±0.1 ppm
Baseline Range (clean air)	<0.05
Zero Drift	<5%/year
Sensitivity Loss	0-40°C
Operating Temperature	Atmospheric ± 10%
Pressure Range	15 to 90% non-condensing
Relative Humidity	HxDxW
Dimensions	4.75"x2.5"x1.5"
Weight	170 gms
Power Source	9-V Alkaline Battery
Battery Life	240 hours
Sensor Life	2+ years

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FORMALDEHYDE METER

Environmental Sensors Z-300



Product Description

Environmental Sensor Co.'s Formaldehyde Meter is a hand held instrument that measures formaldehyde concentration with a range of 0-30 ppm and a resolution of 0.01 ppm. The instrument makes it possible to monitor Formaldehyde vapor in air, while performing operations using Formaldehyde solution. It is often used for applications such as medical instrument sterilization or chemical processing. The instrument has a LCD display giving real time concentrations in ppm and a time weighted average after 30 minutes of use.

Theory of Operation

The sensing element of the instrument is an electrochemical cell. The cell is a four electrode type, which contains a working and an active auxiliary electrode. The signal from the auxiliary electrode is used for temperature compensation and to improve the selectivity of the entire sensor. The sensor response is linear with the concentration of Formaldehyde in air.

