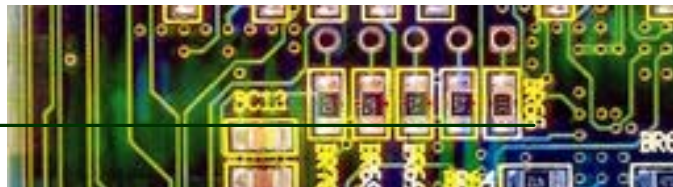


Environmental Sensors Formaldehyde Z-300



Formaldehyde Meter

Highlights

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



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 electro-chemical 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.

Specifications

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

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