

Prov. SPECIFICATION SHEET FOR ETHYLENE OXIDE SENSOR TYPE ETO/C-100

PERFORMANCE CHARACTERISTICS

Nominal Range	0 – 100 ppm
Maximum Overload	200 ppm
Expected Operation Life	2 years in air
Output Signal	200 ± 40 nA/ppm
Resolution	1 ppm
Temperature Range	- 40 °C to 50 °C
Pressure Range	Atmospheric
Pressure Coefficient	No data
T ₉₀ Response Time	< 140 sec
Relative Humidity Range	15 % to 90 % R.H. non-condensing
Typical Baseline Range (pure air, 20°C)	1 to 10 ppm equivalent
Maximum Zero Shift (+20°C to +40°C)	ND
Expected Long Term Output Drift	< 2 % signal loss/month
Recommended Load Resistor	10 Ohm
Bias Voltage	+ 300 mV
Repeatability	< 2 % of signal
Output Linearity	Linear

CROSS-SENSITIVITY DATA

Interfering Gas	Cross-Sensitivity (%)
CO	~ 40 %
Toluene	~ 20 %
Ethanol	~ 55 %

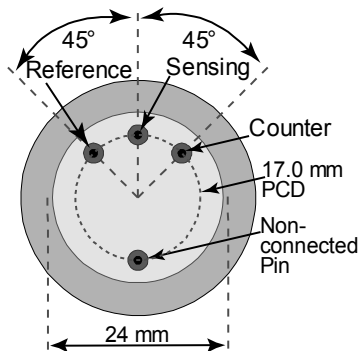
Performance data conditions:
20 °C, 50% RH and 1013 mbar

PHYSICAL CHARACTERISTICS

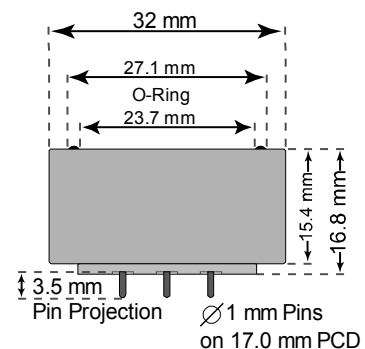
Weight	~ 13 g
Position Sensitivity	None
Storage Life	Six months in container
Recommended Storage Temperature	5 °C – 20 °C
Warranty Period	12 months from date of dispatch

Compact-Size Outline Dimensions

BOTTOM VIEW



SIDE VIEW



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