

# SPECIFICATION SHEET FOR ETHYLENE OXIDE SENSOR TYPE ETO/M-10

## PERFORMANCE CHARACTERISTICS

Nominal Range	0 – 10 ppm
Maximum Overload	20 ppm
Expected Operation Life	2 years in air
Output Signal	2000 +- 500 nA/ppm
Inboard Filter	
Resolution	0.05 ppm
Temperature Range	- 20 °C to + 50 °C
Pressure Range	Atmospheric ± 10 %
Pressure Coefficient	No data
t90 Response Time	< 140 sec
Relative Humidity Range	15 % to 90 % R.H. non-condensing
Typical Baseline Range (pure air, 20°C)	0 to +1 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	Concentration	Reading
H <sub>2</sub>	10 ppm	< 3 ppm
CO	10 ppm	< 5 ppm
Ethanol	10 ppm	< 6 ppm

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

## APPLICATIONS

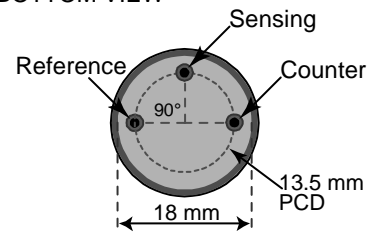
Safety and Environmental Control  
For Portable Gas Detectors

## PHYSICAL CHARACTERISTICS

Weight	~ 5.4 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

### Miniature-Size Outline Dimensions

#### BOTTOM VIEW



#### SIDE VIEW

