

ELECTROCHEMICAL GAS SENSORS

SPECIFICATION SHEET FOR PHOSPHINE SENSOR TYPE PH3/C-5

PERFORMANCE CHARACTERISTICS

Nominal Range	0 – 5 ppm
Maximum Overload	25 ppm
Expected Operation Life	2 years in air
Output Signal	4000 ± 1200 nA/ppm
Resolution	0,03 ppm
Temperature Range	- 20 °C to 45 °C
Pressure Range	Atmospheric ± 10%
Pressure Coefficient	No data
T ₉₀ Response Time	< 25 sec
Relative Humidity Range	15 % to 90 % R.H. non-condensing
Typical Baseline Range (pure air, 20°C)	< 0,03 ppm
Maximum Zero Shift	N.D.
Long Term Output Drift	< 2% signal loss/month
Recommended Load Resistor	10 Ohm
Bias Voltage	Not required
Repeatability	< 2 % of signal
Output Linearity	Linear

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

CROSS-SENSITIVITY DATA

Interfering Gas	Concentration	Reading
CO	100 ppm	0 ppm
H ₂ S	34 ppm	~ 8 ppm
NO	100 ppm	0 ppm
NO ₂	100 ppm	~ -30 ppm
H ₂	100 ppm	0 ppm
Ethylene	100 ppm	<2 ppm
SO ₂	100 ppm	25 ppm
SiH ₄	10 ppm	5 ppm

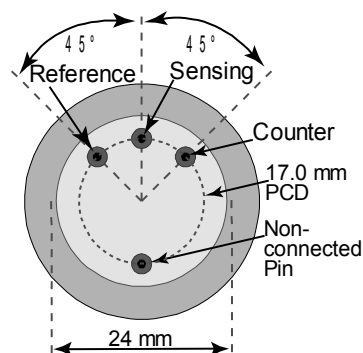
Performance data conditions:
20 °C, 50% RH and 1013 mbar

APPLICATIONS

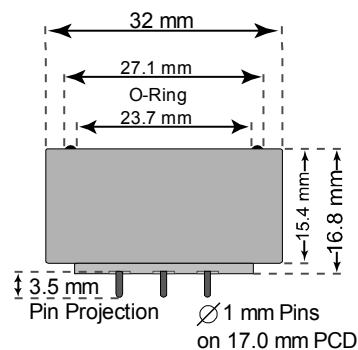
Safety and Environmental Control

Compact-Size Outline Dimensions

BOTTOM VIEW



SIDE VIEW



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