



SeH2 3E 5 LT

Codice prodotto: SeH2 3E 5 LT
Produttore: City Technology

MEASUREMENT

Operating Principle: 3-electrode electrochemical

Measurement Range: 0-5 ppm SeH₂

Maximum Overload: 10 ppm

Lower Detection Limit: 50 ppb when
using recommended electronics

Filter: None

Sensitivity: 1100 ± 500 nA/ppm

Response Time (T₉₀): <30 Seconds

Baseline Offset (clean air): < ±20 nA

Zero Shift (-40°C to +50°C): < ±60 ppb

Repeatability: <2% of signal

Linearity: <10% of full scale

ELECTRICAL

Recommended Load Resistor: 1.5 kΩ

Bias Voltage: 0 V

Resolution: Dependent on Electronics <35 ppb
when using recommended circuitry

MECHANICAL

Housing Material: PPO Noryl

Weight: 4.5 g

Orientation: Any

ENVIRONMENTAL

Typical Applications: Portable & fixed life safety

Operating Temperature Range

- **Continuous:** -20°C to +40°C
- **Intermittent:** -40°C to +50°C

Operating Pressure Range: Atmospheric ± 10%

Operating Humidity Range: 10% to 95% RH non-condensing

INTRINSIC SAFETY DATA

Maximum at 2000ppm: <0.2 mA at 100 ppm

Maximum o/c Voltage: <500 mV

Maximum s/c Current: <1.0 A

LIFETIME

Long Term Output Drift: <5% per 6 months

Expected Operating Life: 2 years in normal use

Storage Life: 3 months in sealed container

Standard Warranty: 10 months from date of despatch

Life expectancy	> 24 mesi
Range di misura	0-5 ppm
Target Gas	Seleniuro di Idrogeno
Tempo di Risposta	< 30 secondi (T90)
Uscita	1.1 ± 0.5 µA/ppm