

### • Description

This is a miniature Methane sensor for measuring Methane gas concentration. It is designed mainly for handheld and compact instruments.

### • Performance Characteristics

Nominal Range:	0 ~ 100% LEL
Maximum Overload:	100% LEL
Sensitivity (20°C):	43 ± 8 mV/%CH4
Response Time (T90):	< 10 s
Zero Signal (20°C):	< ±0.3 μA
Working Current:	< 125 mA
Linearity:	0 ~ 80% LEL
Working Voltage:	2.5 ± 0.1 VDC
Resolution:	< 1% LEL

### • Environmental

Temperature Range:	-30°C ~ 50°C
Pressure Range:	80 ~ 116 kPa
Humidity Range:	≤ 95%RH (25°C)
Hydrogen Sulfide Content:	≤ 6 ppm (non-toxic components)

### • Life Time

Recommended Storage Temp:	0°C ~ 40°C
Expected Operating Life:	3 years in clean air
Storage Life:	6 months in original packaging
Warranty:	12 months

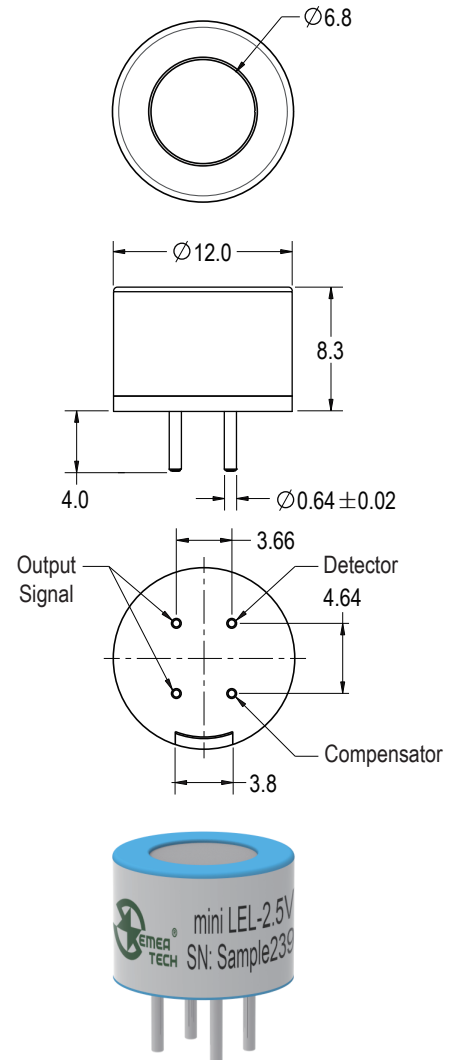
### • Physical Characteristics

Housing Material:	Nylon
Weight (Nominal):	1 g
Orientation:	None

### • Installation

Inappropriate use of the pins in product design will affect the sensor functionality. If the sensor is used in extreme environmental conditions, please contact us for more details.

### • Product Dimensions



All dimensions in mm

All tolerances ±0.20mm unless otherwise stated

### • Note

The performance data in this document are conducted by using SemeaTech recommended test circuitry and test environment at 20°C, 50%RH and 1 atm. Sensor performance varies under different environmental conditions. Please contact us if you need more details.

