

• **Description**

This Nitric Oxide (NO) sensor has a fast response time T90 that is less than 15 seconds. It can be used as a pin-to-pin replacement for the standard 4-series electrochemical Nitric Oxide sensors made by other manufacturers.

• **Performance Characteristics**

Nominal Range:	0 ~ 250 ppm
Maximum Overload:	1,000 ppm
Sensitivity (20°C):	0.4 ± 0.1 µA/ppm
Response Time (T90):	≤ 15 s
Zero Signal (20°C):	< ±1.4 µA
Baseline Shift (-40°C ~ 55°C):	< 10 ppm
Resolution:	0.5 ppm
Linearity:	Linear up to 250 ppm
Bias Voltage:	+300 mV

• **Environmental**

Temperature Range:	-40°C ~ 55°C
Pressure Range:	1 ± 0.1 atm
Humidity Range:	15% ~ 90%RH non-condensing

• **Life Time**

LongTime Output Drift:	< 2% signal/month
Recommended Storage Temp:	10°C ~ 30°C
Expected Operating Life:	2 years in clean air
Storage Life:	6 months in original packaging
Warranty:	12 months

• **Intrinsic Safety Data**

Max. Current 1,000ppm NO:	< 1 mA
Max. O/C Voltage:	1.3 V
Max. S/C Current:	< 1.0 A

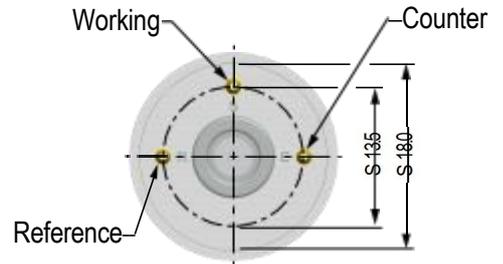
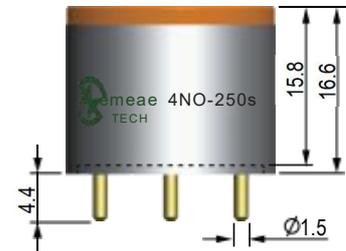
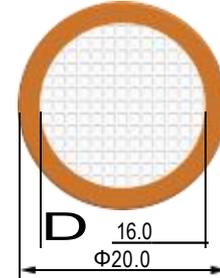
• **Physical Characteristics**

Housing Material:	ABS
Weight (Nominal):	5 g
Orientation:	None

• **Installation**

Output signals from the sensor pins are different. Inappropriate use of the pins in product design will affect the sensor functionality. Exposure to high concentrations of solvent vapors should be avoided under any condition. Mechanical overstress may cause deformation or cracks of the plastic enclosure of the sensor. 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 the 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.

