

Product Specification of:

NO - Industrial Sensor / Type I-25



.: KEY FEATURE .:

Amperometric gas sensor that is highly sensitive, measures down to ppb levels and has a fast response time.

All characteristics are based on conditions at 25°C, 50% RH and 1013 hPa.

Operating Principle:	3-electrode potentiostatic cell w/o potentiostat	
Electrical Connector:	3-pin Molex®	
Sensor Lifetime:	~ 2 years	
Gas Connector:	M16 x 1 thread	
Measurement Range:	0 to 500 ppm	
Maximum Overload:	up to 2,000 ppm	
Sensitivity:	500 to 1,500 nA/ppm	
Response Time t_{90}:	< 15 s	
Warm-up Time:	8 h, when connected to a buffered potentiostat	
Bias Voltage:	+ 300 mV \pm 25 mV	
Drift:	< 10 % signal/year	
Zero Offset Current:	< 1 ppm	
Operating Temperature:	0 to 50 °C	
Pressure Range:	750 to 1250 hPa	
Humidity Range:	30 to 98 % RH	
Interferences: (without filter)	CO ₂ : none CO: < 0.5 nA/ppm H ₂ : < 1 nA/ppm	SO ₂ : < 1 nA/ppm H ₂ S: < 40 nA/ppm NO ₂ : < 80 nA/ppm
Weight:	approximately 13 g	
Material in Contact with Media:	PP, PPS, PTFE, stainless steel	



.: STORAGE CONDITIONS .:

Temperature Range:	recommended: 5 to 30 °C maximum: -20 to 50 °C
Ambient Pressure:	600 to 1250 hPa
Humidity:	10 to 98 % RH
Shelf Life:	< 3 months recommended

.: RELATED PRODUCTS .:

Product	Part-No.	Housing Colour
NO - Sensor I-25	48 00 04	grey

This data sheet is subject to change without prior notice. [I-25-Rev_022012.doc]

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