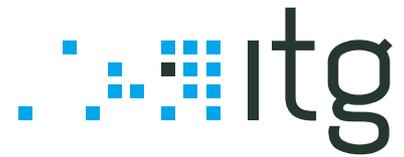


Product Specification of:

NO - Industrial Sensor / Type I-27



:: 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 with potentiostat	
Electrical Connector:	4-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	
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:	CO ₂ : none	SO ₂ : < 1 nA/ppm
	CO: < 0.5 nA/ppm	H ₂ S: < 40 nA/ppm
	H ₂ : none	NO ₂ : < 80 nA/ppm
Weight:	approximately 25 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-27	48 00 37	grey

This data sheet is subject to change without prior notice. [I-27-Rev_022012.doc]

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