

Product Specification of:

SO₂ – Industrial Sensor / Type I-61



:: KEY FEATURE ::

Amperometric gas sensor with potentiostat, specially designed for stack-gas measurement. Relevant filters available on request.

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 1,000 ppm	
Sensitivity:	350 to 650 nA/ppm	
Response Time t₉₀:	< 15 s	
Drift:	< 10 % signal/year	
Zero Offset Current:	< ± 1 ppm	
Operating Temperature:	0 to 50 °C	
Pressure Range:	750 to 1,250 hPa	
Humidity Range:	30 to 98 % RH	
Interferences:	CO: < 20 nA/ppm	NO ₂ : < - 800 nA/ppm
(without filter)	H ₂ S: < 350 nA/ppm	NO: < 5 nA/ppm
	O ₂ : none	
Weight:	approximately 24 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 1,250 hPa
Humidity:	30 to 98 % RH
Shelf Life:	< 3 months recommended

:: RELATED PRODUCTS ::

Product	Part-No.	Housing Colour
SO ₂ - Sensor I-61	48 00 11	grey

This data sheet is subject to change without prior notice. [I-61-Rev_022012.doc]

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