

Product Specification of:

SO₂ - Industrial Sensor / Type I-60



.: KEY FEATURE .:

Amperometric gas sensor 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 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 1,000 ppm	
Sensitivity:	350 to 650 nA/ppm	
Response Time t_{90}:	< 15 s	
Warm-up Time:	< 1 h, when connected to bias	
Bias Voltage:	0 mV	
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: (without filter)	NO ₂ : < - 800 nA/ppm NO: < 5 nA/ppm O ₂ : none	CO: < 20 nA/ppm H ₂ S: < 350 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 1,250 hPa
Humidity:	30 to 98 % RH
Shelf Life:	< 3 months recommended

.: RELATED PRODUCTS .:

Product	Part-No.	Housing Colour
SO ₂ - Sensor I-60	48 00 10	grey

This data sheet is subject to change without prior notice. [I-60-Rev_022012.doc]

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