

Product Specification of:

SO₂ - Industrial Sensor / Type I-60F



:: KEY FEATURE ::

Amperometric gas sensor specially designed for stack-gas measurement with filter.

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: | 170 to 350 nA/ppm | |
| Response Time t₉₀: | < 25 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: | NO ₂ : < - 400 nA/ppm | CO: < 20 nA/ppm |
| | NO: < 3 nA/ppm | H ₂ S: < 20 nA/ppm |
| | O ₂ : none | |
| 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-60F | 48 01 10 | grey |

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

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