

Product Specification of:

NO - Industrial Sensor / Type I – 20



.: KEY FEATURE .:

basic 3-pin molex version that comes without any electronics, fast response time, very low interference to H₂S, filters for NO₂ and SO₂ are available on request

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

Measurement Range: 0 to 2,500 ppm
Expected Sensor Life: > 2 years
Electrical Interface: 3-pin molex®
 (1) reference electrode
 (2) counter electrode
 (3) work electrode



Sensitivity: 40 to 75 nA/ppm
Bias Voltage: + 300 mV ± 25 mV
Warm-up Time: 8 h, when connected to bias
Maximum Overload: up to 10,000 ppm
Response Time t₉₀: < 15 s @ flow-rates of 0.2 to 2.0 l/min
Drift: < 10 % signal/year
Zero Offset Current: < 10 ppm
Operating Temperature: 0 to 50 °C
Pressure Range: 750 to 1250 hPa
Humidity Range: 10 to 98 % RH
Interferences (without filter):
 H₂S < 8 nA/ppm
 CO < 1 nA/ppm
 H₂ < 1 nA/ppm
 NO₂ < 10 nA/ppm
 SO₂ < 5 nA/ppm
 O₂ none
 CO₂ none
Weight: approximately 13 g
Material in Contact with Media: PP, PPS, PTFE, stainless steel

.: STORAGE CONDITIONS .:

Temperature Range: recommended: 5 to 25 °C
 maximum: - 20 to 60 °C
Ambient Pressure: 600 to 1250 hPa
Shelf Life: not more than 3 month recommended

.: RELATED PRODUCTS .:

| Product | Part-No. | Housing Colour | Other Specifics |
|----------------|----------|----------------|---|
| NO-Sensor I-20 | 48 00 01 | grey | |
| NO-Sensor I-21 | 48 00 02 | grey | with potentiostate and buffering battery on board |

This data sheet is subject to change without prior notice. [i-20-date-of-issue-2005-02.doc]