



Product Specification of:

NO - Industrial Sensor / Type I – 21

.: KEY FEATURE .:

basic 3-pin molex version with potentiostat and buffering battery on board, no warm-up 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: 4-pin molex®
 (1) + Ub (5 ... 12 V)
 (2) REF (virtual ground)
 (3) GND
 (4) OUT



Sensitivity: 40 to 75 nA/ppm
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 24 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	without potentiostat on board
NO-Sensor I-21	48 00 02	grey	

This data sheet is subject to change without prior notice. [I-21-date-of-issue-2006-01.doc]

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IT Dr. Gambert GmbH .: Hinter dem Chor 21 .: 23966 Wismar .: Germany
 Phone: +49 (0)3841 220 050 .: Fax: +49 (0)3841 220 052 2 .: E-Mail: sales@itg-wismar.de

www.itg-wismar.de