

Product Specification of:

NO - Industrial Sensor / Type I – 25



.: KEY FEATURE .:

highly sensitive, measure down to ppb levels, fast response time

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

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



Sensitivity:	500 to 1500 nA/ppm
Bias Voltage:	+ 300 mV ± 25 mV
Warm-up Time:	8 h, when connected to bias
Maximum Overload:	up to 2,000 ppm
Response Time t_{90}:	< 15 s @ flow-rates of 0.2 to 2.0 l/min
Drift:	< 10 % signal/year
Zero Offset Current:	< 1 ppm
Operating Temperature:	0 to 50 °C
Pressure Range:	750 to 1250 hPa
Humidity Range:	10 to 98 % RH
Interferences (without filter):	H ₂ S < 40 nA/ppm CO < 0.5 nA/ppm NO ₂ < 80 nA/ppm SO ₂ < 1 nA/ppm H ₂ 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
Humidity:	10 to 98 % RH
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-25	48 00 04	grey	
NO-Sensor I-26	48 00 31	grey	with potentiostat and buffering battery on board

This data sheet is subject to change without prior notice. [i-25-date-of-issue-2005-03.doc]

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