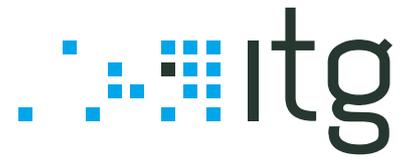


Product Specification of:

O₂ - Industrial Sensor / Type I-12



:: KEY FEATURE ::

Galvanic gas sensor specially designed for use in highly electro-magnetically charged environments.

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

Measurement Range:	0 to 100 Vol.%
Expected Operating Life:	~ 1,500,000 Vol.% h
Sensor Lifetime:	> 3 years @ ambient air
Electrical Connector:	3-pin Molex [®] , gold-plated contacts
Instrument Ground:	soldering lug
Initial Output Signal:	9.0 to 14.0 mV @ dry ambient air
Output Signal Range:	7.0 to 16.0 mV @ dry ambient air
Response Time t₉₀:	< 10 s
Drift:	< 1 % per month, averaged across 12 months
Linearity Error:	< 1 % @ 100 Vol.% O ₂ , applied for 5 min
Repeatability:	± 1 % volume O ₂ @ 100 Vol.% O ₂ applied for 5 min
Zero Offset Voltage:	< 200 µV in 100 % N ₂ applied for 5 min
Operating Temperature:	10 to 55 °C
Pressure Range:	700 to 1250 hPa
Influence of Humidity:	- 0.03 % rel. O ₂ reading per % RH
Recommended Load Resistor:	≥ 10 kOhm
Temperature Compensation:	NTC
Interferences:	according to DIN EN 21647 and ISO 7767
Weight:	approximately 37 g
Material in Contact with Media:	PA, PPS, PTFE, stainless steel, aluminium



:: STORAGE CONDITIONS ::

Temperature Range:	recommended: 5 to 30 °C maximum: - 20 to 50 °C
Humidity:	up to 100 % RH
Ambient Pressure:	600 to 1750 hPa
Shelf Life:	< 6 months recommended

:: RELATED PRODUCTS ::

Product	Part-No.	Housing Colour	Other Specifics
O ₂ - Sensor I-12F	48 01 28	black / translucent	Fluke connector

This data sheet is subject to change without prior notice. [I-12-Rev_022012.doc]

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