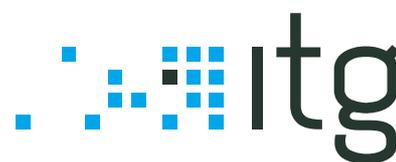


Product Specification of:
O₂ - leadfree Medical Sensor / Type MLF-350



.: KEY FEATURES .:

Lead free, ROHS compliant, fast response time for breath-to-breath analysis.

All characteristics are based on conditions at 25°C, 50% RH and 1013 hPa and gas flow ≥ 2.5 L/min.

Measurement Range:	0 to 35 Vol.%O ₂
Expected Operating Life:	18 months @ dry ambient air, depending on application
Nominal Sensor Life:	> 1,000,000 Vol.%O ₂ h
Electrical Pin Assignment:	3-pin Molex®
	1: (+)
	2: (-)
	3: (-)
Mechanical Mating Connector:	fits for M16x1 DIN 13 or 5/8-24 UNEF
Initial Output Signal Range:	9 to 14 mV @ dry ambient air
Response Time t₉₀:	< 350 ms @ 20.95 Vol.%O ₂ to 15 Vol.%O ₂ (dry ambient air, 200 mL/min, optimised gas tracking system, small dead spaces)
Signal Drift (long term):	< 0.1%/month of sensor output signal @ dry ambient air
Signal Drift (short term):	< 0.1 Vol.%O ₂ / day @ dry ambient air, constant environmental / measurement conditions
Operating Temperature:	0 - 40 °C; intermittent 40 - 50 °C
Ambient Pressure Range:	500 to 1250 mbar
Zero Offset Equivalents:	< 0.3 Vol.%O ₂ @ 100 Vol.%N ₂ applied for 5 min
Linearity Error:	< 0.15 Vol.%O ₂ @ 20.95 Vol.%O ₂ to 15 Vol.%O ₂ applied for 5s (dry ambient air, constant environmental and flow conditions)
Influence of Humidity:	- 0.03 % rel. O ₂ reading per % RH
Temperature Compensation:	NTC on sensor PCB
Recommend Load Resistor:	≥ 1 MOhm
Weight:	approximately 20g
Material in contact with media:	PPS, PTFE, ABS, FPM, stainless steel



.: STORAGE CONDITIONS IN UNOPENED ORIGINAL PACKAGE .:

Temperature Range:	- 20 °C to 40 °C
	5 °C to 25 °C recommended
	40 °C to 50 °C maximum 1 week
Ambient Pressure Range:	500 to 1250 mbar
Humidity:	up to 100 % RH, non condensing
Shelf Life:	< 6 months recommended

.: RELATED PRODUCTS .:

Product	Part-No.	Housing Colour	Other Specifics
O ₂ -Sensor MLF-350	41 00 35	white	RoHS compliant, lead free

This data sheet is subject to change without prior notice. [mlf-350-Rev03-2018_1219.doc]