

.: KEY FEATURE :.

Galvanic gas sensor characterized by a long life and superior signal stability, designed fur use in long-term monitoring such as fruit storage application.

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

Measurement Range:	0 to 35 Vol.%	
Expected Operating Life:	~ 1,000,000 Vol.% h	
Sensor Lifetime:	< 6 years @ ambient air	
Electrical Connector:	3-pin Molex [®]	
Intitial Output Signal:	9.0 to 13.5 mV @ dry ambient air	
Output Signal Range:	5.0 to 17.0 mv @dry ambient air	
Response Time t ₉₀ :	< 15 s	
Drift:	10 % per year	1-02
Linearity Error:	0 to 2 Vol.% O_2 : \pm 0.1 absolute	
	2.1 to 35 Vol.% O_2 : \pm 0.5 relative	
Operating Temperature:	0 to 50 °C	
Pressure Range:	700 to 1750 hPa	
Influence of Humidity:	- 0.03 % rel. O2 reading per % RH	
Recommended Load Resistor:	≥ 10 kOhm	
Temperature Compensation:	NTC	
Interferences:	< 0.1 % O ₂ response to:	
	10.0 Vol.% CO, balance N ₂	500 ppm H_2S , balance N_2
	15.0 Vol.% CO ₂ , balance N ₂	3,000 ppm NO, balance to N_2
	3,000 ppm C_3H_8 , balance N_2	500 ppm SO ₂ , balance N ₂
	1,000 ppm Benzene, balance N ₂	
Weight:	approximately 27 g	
Material in Contact with Media:	ABS, PVC, PPS, PTFE, stainless steel	

.: 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 O₂ - Sensor I-02 **Part-No.** 48 00 26 **Housing Colour** black

This data sheet is subject to change without prior notice. [I-02-Rev_022012.doc]

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