

**:: KEY FEATURE ::**

**Gas Sensor that shows high signal stability at low cross interferences to anesthesia gases combined with a superior linearity over the entire range.**

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

Measurement Range:	0 to 100 Vol.%
Expected Operating Life:	> 500,000 Vol.% h
Sensor Lifetime:	< 3 years @ dry ambient air
Electrical Connector:	AMP phone jack 4P4C
Initial Output Signal:	3.8 to 4.8 mV@ dry ambient air
Response Time $t_{90}$ :	< 12 s
Drift:	< 1 % Vol. O <sub>2</sub> /month @ air, averaged across 12 months
Operating Temperature:	10 to 45 °C
Pressure Range:	700 to 1250 hPa
Linearity Error:	≤ 3 % @ 100% O <sub>2</sub> , applied for 5 min
Zero Offset:	≤ 50 μV in 100 % N <sub>2</sub> , applied for 5 min
Influence of Humidity:	- 0.03 % rel. O <sub>2</sub> reading per % RH
Temperature Compensation:	NTC
Interferences:	according to DIN EN ISO 80601-2-55
Weight:	approximately 25 g
Material in Contact with Media:	PA, PPS, PTFE, stainless steel



**:: STORAGE CONDITIONS ::**

Temperature Range:	recommended: 5 to 30 °C maximum: - 20 to 50 °C (≤10h)
Humidity:	up to 100 % RH, non-condensing
Shelf Life:	< 3 months recommended

**:: RELATED PRODUCTS ::**

Product	Part-No.	Housing Colour	Other Specifics
O <sub>2</sub> - Sensor M-48	41 00 28	white	
O <sub>2</sub> - Sensor M-48	41 01 28	white	with flow diverter
O <sub>2</sub> - Sensor M-48T	41 02 28	translucent	