

:: KEY FEATURE ::

Dual-cathode gas sensor that shows high signal stability at low cross interferences to anesthesia gases combined with 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 @ ambient air, depending on application
Electrical Connector:	gold-plated slip rings
Initial Output Signal:	14 to 20 mV @ dry ambient air, load 600 Ohm
Difference Output Signal:	Difference between U1 and U2 is smaller than 10% of the greater value @ 20 % to 100 % O ₂
Response Time t_{90}:	< 12 s
Drift:	< 1 % Vol. O ₂ /month @ air, averaged across 12 months
Operating Temperature:	10 to 40 °C
Pressure Range:	700 to 1250 hPa
Linearity Error:	≤ 3 % @ 100 % O ₂ , applied for 5 min
Zero Offset Voltage:	≤ 200 µV in 100 % N ₂ , applied for 5 min
Repeatability:	± 1 % Vol. O ₂ @ 100 % O ₂ , applied for 5 min
Influence of Humidity:	- 0.03 % rel. O ₂ reading per % RH
Interferences:	according to DIN EN ISO 80601-2-55
Weight:	approximately 20 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:	< 4 months recommended

:: RELATED PRODUCTS ::

Product	Part-No.	Housing Colour	Other Specifics
O ₂ - Sensor M-02	41 00 02	white	
O ₂ - Sensor M-02L2	41 01 02	white	US-Version
O ₂ - Sensor M-02T	47 00 09	translucent	
O ₂ - Sensor M-02TL2	41 02 02	translucent	US-Version