Made in Germany





KEY FEATURES

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 0hm		
Difference Output Signal:	Difference between U1 and U2 is smaller than 10% of the greater value @ 20 % to 100 % 0_2		
Response Time t ₉₀ :	< 12 s		
Drift:	< 1% Vol. 0 ₂ /month @ air, averaged across 12 months		
Operating Temperature:	10 - 40 °C		
Pressure Range:	700 to 1250 hPa		
Linearity Error:	\leq 3 % @ 100% O ₂ applied for 5 min		
Zero Offset Voltage:	\leq 200 µV in 100 % N ₂ , applied for 5 min		
Repeatability:	± 1 % Vol. 0 ₂ @ 100 % 0 ₂ , applied for 5 min		
Influence of Humidity:	- 0.03 % rel. 0 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 °C to 30 °C maximum: - 20 °C 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		
0 ₂ -Sensor M-02	41 00 02	white			
0 ₂ -Sensor M-02L2	41 00 02	white	US-Version		
0 ₂ -Sensor M-02T	47 00 09	translucent			
0 ₂ -Sensor M-02TL2	41 02 02	translucent	US-Version		





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