

O₂ - Medical Sensor

Type M-05



KEY FEATURES

Current output 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:	> 300,000 Vol. % h
Electrical Connector:	gold-plated slip rings on PCB
Initial Output Signal:	200 µA ± 40 µA @ dry ambient air
Response Time t90:	< 20 s
Drift:	< 2 % Vol. O ₂ /month @ air,
Operating Temperature:	averaged across 12 months
Pressure Range:	10 to 40 °C
Linearity Error:	700 to 1250 hPa
Zero Offset:	≤ 3 % @ 100% O ₂ , applied for 5 min
Repeatability:	less then 0.4% of oxygen equivalent @ 25 °C in 100% N ₂ applied for 3 min
Influence of Humidity:	± 1 % Vol. O ₂ @ 100 % O ₂ , applied for 5 min
Interferences:	- 0.03 % rel. O ₂ reading per % RH
Weight:	according to DIN EN ISO 80601-2-55
Material in Contact with Media:	approximately 32 g
Interferences:	PVDF, PPS, PTFE, stainless steel
Weight:	approximately 24 g
Material in Contact with Media:	PA, PPS, PTFE, stainless steel

STORAGE CONDITIONS IN UNOPENED ORIGINAL PACKAGE

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 ₂ - Sensor M-05	41 00 07	grey	flat base

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