

Product Specification of:

O₂ - Medical Sensor / Type M-15M



.: KEY FEATURE .:

Long life 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.%O ₂
Expected Operating Life:	> 750,000 Vol.% O ₂ h
Sensor Lifetime:	< 3 years @ ambient air, depending on application
Electrical Connector:	3.5 mm mono jack
Initial Output Signal:	8.0 to 13.0 mV @ dry ambient air
Output Signal Range:	5 to 15 mV @ dry ambient air
Response Time t_{90} :	< 12 s
Output Signal Drift:	< 1 Vol.%O ₂ / month @ air, averaged across 12 months
Temperature Compensation:	NTC on sensor PCB
Operating Temperature:	0 to 40 °C
Ambient Pressure Range:	600 to 1750 hPa
Zero Offset Voltage:	< 0.3 Vol.%O ₂ @ 100 Vol.%N ₂ , applied for 5 min
Linearity Error:	< 3 % @ 100 Vol.%O ₂ , applied for 5 min
Influence of Humidity:	-0.03 % rel. O ₂ reading per % RH
Recommended Load Resistor:	≥ 10 kOhm
Interferences:	according to DIN EN ISO 80601-2-55
Weight:	approximately 26 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
Ambient Pressure:	600 to 1750 hPa
Humidity:	< 98 % RH, non-condensing
Shelf Life:	< 6 months recommended

.: RELATED PRODUCTS

Product	Part-No.	Housing Colour	Other Specifics
O ₂ - Sensor M-15M	41 08 23	white	-

This data sheet is subject to change without prior notice. [M-15M_Rev03-2018_0411.doc]

page 1 of 1