

Product Specification of:

O₂ - Medical Sensor / Type E-17/C



Long life gas sensor featuring high signal stability at low cross interferences against anesthesia gases combined with superior linearity over the entire range.

All data based at at 25°C, 50% RH and 1013 hPa.

Temperature Range recommended:	5 to 30 °C
max.:	- 20 to 50 °C
Humidity:	up to 100 % RH
Shelf Life:	< 6 months recommended
Measurement Range:	0 to 100 Vol.% O ₂
Expected Operating Life:	~ 1,000,000 Vol.% h
Sensor Lifetime:	< 6 years @ ambient air, depending on application
Electrical Connector:	3-pin Molex® gold plated
Initial Output Signal:	7.5 – 13.5 mV @ dry ambient air
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:	≤ 0,3 Vol% O ₂ @ 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
Recommended Load Resistor:	≥ 10 kOhm
Temperature Compensation:	NTC
Interferences:	according to DIN EN ISO 80601-2-55
Warranty:	16 months ex factory

STORAGE CONDITIONS:

Temperature Range: recommended:	5 to 30 °C
Humidity:	up to 100 % RH non condensing
Shelf Life:	< 6 months recommended

O₂ - sensors containing KOH and Lead