

O₂ - Medical Sensor

Type M-15M



KEY FEATURES

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.

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|--|---|
| 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 t₉₀: | < 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 (≤10h) |
| 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 | - |

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