

:: KEY FEATURE ::

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.% |
| Expected Operating Life: | > 500,000 Vol.% h |
| Sensor Lifetime: | < 3 years @ ambient air, depending on application |
| Electrical Connector: | 3-pin Molex® |
| Initial Output Signal: | 8.0 to 12.5 mV @ dry ambient air |
| Response Time t_{90} : | < 15 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 |
| Weight: | approximately 24 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) |
| Humidity: | up to 100 % RH, non-condensing |
| Shelf Life: | < 6 months recommended |

:: RELATED PRODUCTS ::

| Product | Part-No. | Housing Colour |
|-------------------------------|----------|----------------|
| O ₂ - Sensor M-12A | 41 02 17 | white |
| O ₂ - Sensor M-12 | 41 00 17 | white |
| O ₂ - Sensor M-12T | 47 00 29 | translucent |