

Product Specification of:

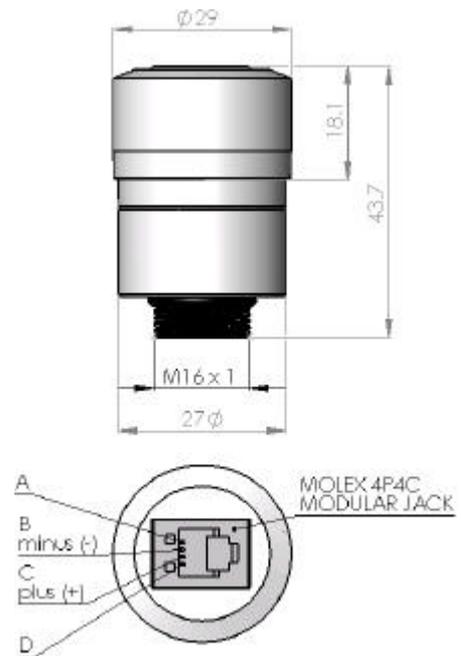
O₂ - Medical Sensor**Type: M - 07**

Part. No.: 41 00 09

Key Features: Gas sensor that has separate temperature compensation network, replaces Teledyne's T-7 cell and fits to most Teledyne Analyzers

All characteristics are based on conditions at 25°C, 50% RH and 1013 hPa

| | |
|---------------------------|--|
| Electrical Connector: | RJ11 modular plug 4P4C |
| Measurement Range: | 0 to 100 Vol.% |
| Nominal Sensor Life: | > 500, 000 Vol.% h |
| Expected Operating Life: | < 3 years @ ambient air |
| Output Signal: | 7.5 to 12.5 mV @ dry ambient air |
| Response Time t_{90} : | < 8 s |
| Drift: | < 1% volume O ₂ / month @ air |
| Operating Temperature: | 0 to 40°C |
| Pressure Range: | 750 to 1250 hPa |
| Linearity Error: | = 2% @ 100% O ₂ applied for 5 min |
| Zero Offset Voltage: | < 200 μ V in 100% N ₂ , applied for 5 min |
| Repeatability: | \pm 1 % volume O ₂ @ 100% O ₂ , applied for 5 min |
| Influence of Humidity: | -0.03% rel. O ₂ reading per % RH |
| Temperature Compensation: | NTC |
| Interferences: | according DIN EN 12598 and ISO 7767 |

Tolerance: \pm 0.15 mm**Storage Conditions**

| | |
|---------------------------------|---|
| Temperature Range: | recommended: 5 to 30°C maximum: - 20 to 50°C |
| Humidity: | up to 100% RH |
| Shelf Life: | < 6 months |
| Weight: | approximately 26 g |
| Material in contact with media: | PA, PPS, PTFE, stainless steel |
| Warranty Period: | 16 months |
| Housing Colour: | white |

This data sheet is subject to change without prior notice !

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