

Product Specification of:

O₂ - Medical Sensor

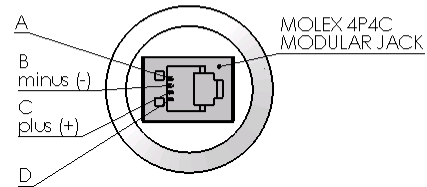
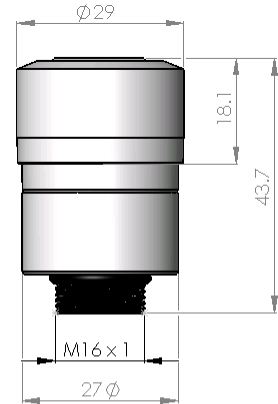
Type: SS-03

Part. No.:

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 μV in 100% N ₂ , applied for 5 min
Repeatability:	± 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: ± 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:	12 months
Housing Colour:	white