Product Specification of:

O_2 - Medical Sensor / Type M-07

.: KEY FEATURE :.

Gas sensor with a separate temperature compensation network.

All characteristics are based on conditions at 25°C, 50% RH and 1013 hPa and gas flow ≥ 2.5 L/min.

Measurement Range:	0 to 100 Vol.%
Expected Operating Life:	> 500,000 Vol.% h
Sensor Lifetime:	< 3 years @ dry ambient air, depending on application
Electrical Connector:	4P4C Handset Modular Jack 4 Position (RJ11), Typ AMP
Initial Output Signal:	7.5 to 13.0 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:	≤ 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
Temperature Compensation:	NTC
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 IN UNOPENED ORIGINAL PACKAGE :.

Temperature Range:	recommended: 5 to 30 °C maximum: - 20 to 50 °C (≤10h)
Ambient Pressure Range:	700 to 1250 hPa
Humidity:	up to 100 % RH, non-condensing
Shelf Life:	< 6 months recommended

.: RELATED PRODUCTS :.

Product	Part-No.	Housing Colour
O_2 - Sensor M-07	41 00 09	white
O_2 - Sensor M-07T	47 00 12	translucent
O_2 - Sensor M-07S	41 01 09	white
O_2 - Sensor M-07ST	41 02 09	translucent

This data sheet is subject to change without prior notice. [M-07-Rev04-2019_0204.doc]

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