

E-80 Oxygen sensor

Reference	E-80
Series	O2
Description	Oxygen sensor for medical application that show high signal stability at low cross interferences to anesthesia gases combined with superior linearity over the entire range
Other compatible references	Envitec OOM204
Pressure range	700 to 1250 hPa
Cathode	double
Electrical connector	3 pin Molex gold plated
Measurement range	0 to 100 Vol. %
Expected operating life	less than 750 000 Vol. % h
Sensor lifetime	less than 3 years @ ambient air
Initial output signal	11.0 to 14.0 mV @ dry ambient air
Output signal difference	1.25 to 1.6 mV @ dry ambient air
Response time	less than 12 s @ flow rates of 0.2 to 2.0 l / min
Drift	less than 1% Vol. O2/month @ air, averaged across 12 months
Zero offset voltage	less or equal to 200 microV in 100% N2, applied for 5 min
Repeatability	± 1 % Vol. O2 @ 100 % O2, applied for 5 min
Influence of humidity	- 0.03 % rel. O2 reading per % RH
Temperature compensation	NTC

Recommended load resistor	more than 10 kOhm
Temperature range (operating)	10 to 45°C
Interferences	according to DIN EN ISO 21647 and ISO 7767
Temperature range (storage)	recommended: 5 to 30°C, maximum: -20 to 50°C
Humidity (storage)	up to 100 % RH
CE class	Ila
CE	1011
Shelf life	recommended less than 3 months
Packaging	1 unit per box
Brand & Model(s)	Acutronic Fabian +nCPAP, Heinen & Löwenstein Leoni, Leoni 2, Leoni Plus
Packaging weight	0.05 kg
Manufacturer	Carril Instruments, Congost, 28, ES08024 Barcelona, Spain

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

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This data sheet is subject to change without prior notice.