

E-02 Oxygen sensor



Reference	E-02
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	Analytical Industries PSR-11-915-2, Care Medical CM-14, Carnet ST-13, City Technology MOX-16, Envitec OOM201 , Hudson-RCI 5557, Integral Process 65015, Maxtec MAX-11 (R113P10), Mercury Medical 10-103-07, MSA 655263, MSA 655264, Nuova E-15/2, Pacifitech PT-14A, Precision Medical 505315, Sensidyne V-14A, Sensoronics SS-14A, Sharn JB-11, Teledyne R-23MED, Ventrex V-14A, Viamed R-23V, VTI Vascular Technology 100352, VTI Vascular Technology 101372, VTI Vascular Technology 103122

Brand & Model(s)	Dräger 8000 IC, Anemone, Babylog 8000, Babylog SA 2, Cicero, Evita, Evita 2 Dura, Evita 4, Evita XL, Fabius, Fabius GS, Narkomed, Oxycom, Oxydig, PM8030, S sensor, SA2, Sulla, Tiro, Titus, Trajam (Oxidig), Invivo Magnitude, Millennia 3500, Oxitron 3710, PPG Biomedical (Hellige) Irisa, Paragon PS-2000
OEM Reference(s)	Airshields (Dräger) 6735142, DP Medical MVA 210, Dräger 6803290, 6850645, GE Ohmeda 6051-0000-224, Hamilton Medical HM-13, HM-14, PPG Biomedical (Hellige) 505055-001, Teledyne C-61339
Pressure range	700 to 1250 hPa
Cathode	double
Electrical connector	gold plated slip rings
Measurement range	0 to 100 Vol. %
Expected operating life	more than 500 000 Vol. % h
Sensor lifetime	less than 3 years @ ambient air
Initial output signal	14.0 to 20.0 mV @ dry ambient air, load 600 Ohm
Response time	less than 12 s
Drift	less than 1% Vol. O ₂ /month @ air, averaged across 12 months
Linearity error	less or equal to 3% @ 100 % O ₂ , applied for 5 min
Output differential	U ₁ -U ₂ less than 10 % less than U ₁ + U ₂ @ 20 % to 100 % O ₂
Zero offset voltage	less or equal to 200 microV in 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 range (operating)	10 to 40°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 4 months
Packaging	1 unit per box
Packaging weight	0.03 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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