

## E-02 Oxygen sensor



<b>Reference</b>	E-02
<b>Series</b>	O2
<b>Description</b>	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
<b>Other compatible references</b>	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

<b>Brand &amp; Model(s)</b>	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
<b>OEM Reference(s)</b>	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
<b>Pressure range</b>	700 to 1250 hPa
<b>Cathode</b>	double
<b>Electrical connector</b>	gold plated slip rings
<b>Measurement range</b>	0 to 100 Vol. %
<b>Expected operating life</b>	more than 500 000 Vol. % h
<b>Sensor lifetime</b>	less than 3 years @ ambient air
<b>Initial output signal</b>	14.0 to 20.0 mV @ dry ambient air, load 600 Ohm
<b>Response time</b>	less than 12 s
<b>Drift</b>	less than 1% Vol. O <sub>2</sub> /month @ air, averaged across 12 months
<b>Linearity error</b>	less or equal to 3% @ 100 % O <sub>2</sub> , applied for 5 min
<b>Output differential</b>	U <sub>1</sub> -U <sub>2</sub> less than 10 % less than U <sub>1</sub> + U <sub>2</sub> @ 20 % to 100 % O <sub>2</sub>
<b>Zero offset voltage</b>	less or equal to 200 microV in 100% N <sub>2</sub> , applied for 5 min
<b>Repeatability</b>	± 1 % Vol. O <sub>2</sub> @ 100 % O <sub>2</sub> , applied for 5 min
<b>Influence of humidity</b>	- 0.03 % rel. O <sub>2</sub> reading per % RH
<b>Temperature range (operating)</b>	10 to 40°C
<b>Interferences</b>	according to DIN EN ISO 21647 and ISO 7767
<b>Temperature range (storage)</b>	recommended: 5 to 30°C, maximum: -20 to 50°C

<b>Humidity (storage)</b>	up to 100 % RH
<b>CE class</b>	Ila
<b>CE</b>	1011
<b>Shelf life</b>	recommended less than 4 months
<b>Packaging</b>	1 unit per box
<b>Packaging weight</b>	0.03 kg
<b>Manufacturer</b>	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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January 2012

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