

## E-12 Oxygen sensor



<b>Reference</b>	E-12
<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-11-917-MH, Carnet ST-12, City Technology MOX-1, Envitec OOM102, Envitec OOM102-Air, Envitec OOM103, Hudson-RCI 5556, Hudson-RCI 5566, Maxtec MAX-12A (R109P48), Maxtec MAX-12c (R109P53), Maxtec MAX-22CC, Maxtec MAX-23 (R116P06), Nuova E-17/A2, Precision Medical 505324, Sensoronics SS-12CC, Sharn JB-22C, Teledyne R-22MED, Teledyne R-36, Ventrex V-12A, Viamed R-22Med

<b>Brand &amp; Model(s)</b>	Airshields (Dräger) Isolette C2000, Isolette C8000, Atom 2100G, Incu i, V 2100 G HL, V-808 Transcapsule, Biotest A103, Criticare IQ2 8500Q, Poet 8100, Poet 8500, EME M672P Synchrony, GE Datex S/5 Centiva, GE Marquette S/5 Centiva, GE Ohmeda S/5 Centiva, GE Versamed iVent 201, Hamilton Medical 51254, Aladin 396008, Aladin 396009, Arabella, G5, G5/S1, Galileo, Multinex Analyser, Raphael, S1, Sensormedics Infant Flow, Taema Cesar (new), Viasys Avea, Infant Flow, Infant Flow SIPAP
<b>OEM Reference(s)</b>	Atom C44611-R22, C81828, Biotest 720040, Burke&Burke OOM103, Criticare CAT 644, Datascope 0600-00-0002, Dräger MU13223, MU24903, GE Ohmeda 6051-0000-216, Hamilton Medical HM-12, Hill-Rom R-22, Infrasonics R-22, Medin OOM102, Narco med R-22, Neoforce 21252, Philips Hewlett Packard 1080162, 989805631511, Spacelabs 90514
<b>Pressure range</b>	700 to 1250 hPa
<b>Electrical connector</b>	3 pin Molex gold plated
<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>	8.0 to 12.5 mV @ dry ambient air
<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>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 compensation</b>	NTC

<b>Recommended load resistor</b>	more than 10 kOhm
<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 6 months
<b>Packaging</b>	1 unit per box
<b>Packaging weight</b>	0.04 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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