

## E-04 Oxygen sensor



<b>Reference</b>	E-04
<b>Series</b>	O2
<b>Description</b>	Oxygen sensor for medical application that show high signal stability at low cross interferences combined with superior linearity over the entire range
<b>Other compatible references</b>	Analytical Industries PSR-11-917-M, Care Medical CM-12, City Technology MOX-9, Envitec OOM202, Integral Process 65016, Maxtec MAX-12 (R109P45), Maxtec R109P45, Mercury Medical 10-103-06, MSA 470644, MSA 472062, Pacifitech PT-12A, Precision Medical 505316, Sensidyne V-12A, Sensoronics SS-12A, Sharn JB-12, Teledyne R-24MED, Ventrex V-12A, Viamed R-24Med, VTI Vascular Technology 103100

<b>Brand &amp; Model(s)</b>	Bird Products Avea, Dräger Infinity Delta, GE Versamed iVent 101, IMT Medical Bellavista 1000, FlowAnalyser PF-300, FlowAnalyser PF-301 VAC, FlowAnalyser PF-302 LOW, Infrasonics Adult Star/601T, Puritan Bennett NP 840 Ventilator 4-074925-00, PB 840, PB 860, PTS-2000, Sensidyne Acutonic Hi Frequency Jet Ventilator, Siemens Servo 300, Servo 700/710, Servo 900 /C/D, V710 300, Spacelabs 90513 Capnograph, Taema Cesar 2, Extend, Horus, Monnal T60, Monnal T75, Neftis, Teledyne B-62321, Vickers C400 incubator, eVent Medical Inspiration 5i
<b>OEM Reference(s)</b>	Biotest 720020, 720070, Cherion R-24, Datascope 0600-00-0002, GE Ohmeda 6051-0000-222, Hill-Rom R-24, IMT Medical 300.769.000, Puritan Bennett 4-072214-00, Siemens 6419332, 9004979, Taema YR049700
<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>	~ 1,000,000 Vol. % h
<b>Sensor lifetime</b>	less than 6 years @ 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>	IT Dr. Gambert GmbH Hinter dem Chor 21, 23966 Wismar

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

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