

E-04 Oxygen sensor



Reference	E-04
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-11-917-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



Brand & Model(s)	Bird Products Avea, Dräger Infinity Delta, IMT Medical 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, Horus, Monnal T60, Neftis, Teledyne B-62321, Vickers C400 incubator, eVent Medical Inspiration 5i
OEM Reference(s)	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
Pressure range	700 to 1250 hPa
Electrical connector	3 pin Molex gold plated
Measurement range	0 to 100 Vol. %
Expected operating life	~ 1,000,000 Vol. % h
Sensor lifetime	less than 6 years @ ambient air
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
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 compensation	NTC
Recommended load resistor	more than 10 kOhm
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 6 months
Packaging	1 unit per box
Packaging weight	0.04 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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