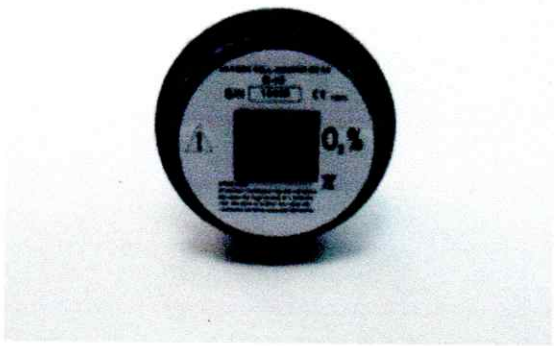
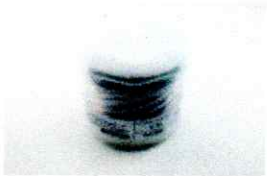
E-10 Oxygen sensor





Reference	E-10
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-11-915-4, Carnet ST-15, City Technology MOX-7, Envitec OOM110, Integral Process 65008, Maxtec MAX-10 (R112P10), Mercury Medical 10-103-10, Nuova E-15/4, Pacifitech PT-20A, Precision Medical 505322, Sensidyne V-20A, Sensoronics SS-20A, Sharn JB-10, Teledyne R-30MED, Ventrex V-20A, Viamed R-30V, VTI Vascular Technology 103104
Pressure range	700 to 1250 hPa
Electrical connector	modular jack 6P4C
Measurement range	0 to 100 Vol.%
Expected operating life	more than 500 000 Vol.% h

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Sensor lifetime	less than 3 years @ ambient air
Initial output signal	8.0 to 12.0 mV @ dry ambient air
Response time	less than 12 s
Drift	less than 1% Vol. O2/month @ air, averaged across 12 months
Linearity error	less or equal to 3% @ 100 % O2, applied for 5 min
Zero offset voltage	less or equal to 200 microV in 100% N2, applied for 5 min
Repeatability	± 1 % Vol. O2 @ 100 % O2, applied for 5 min
Influence of humidity	- 0.03 % rel. O2 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	IIa
CE	1011
Shelf life	recommended less than 6 months
Packaging	1 unit per box
Brand & Model(s)	GE Datex-Ohmeda Aestiva 3000, Aisys, Aisys CS2 Carestation, Excel 210-7900, Modulus SE7900, S/5 Aespire, S/5 Avance Carestation
OEM Reference(s)	GE Datex-Ohmeda 6050-0004-110
Packaging weight	0.08 kg
Manufacturer	Carril Instruments, Congost, 28, ES08024 Barcelona, Spain

All characteristics are based on conditions at 25°C, 50% RH and 1013 hPa.
The manufacturers listed are the holders of their respective names and/or trademarks and are not to be taken as an endorsement or affiliation with Carril Instruments.
January 2012
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