

E-10 Oxygen sensor



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| 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. 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 |
| 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.

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