

E-15M Oxygen sensor



Reference	E-15M
Series	O2
Description	Oxygen sensor for medical application that show high signal stability at low cross interferences combined with superior linearity over the entire range
Other compatible references	City Technology MOX-2
Brand & Model(s)	Mindray Watto EX-20, Watto EX-30, Watto EX-35, Watto EX-55, Watto EX-65
OEM Reference(s)	Mindray 0611-10-45654
Construction	ABS, PVC, PPS, PTFE, stainless steel
Pressure range	700 to 1250 hPa
Electrical connector	3.5 mm mono jack
Measurement range	0 to 100 Vol.%
Expected operating life	~ 2,000,000 Vol.% O2 h
Sensor lifetime	4 years @ ambient air, depending on application

Initial output signal	8.0 to 13.0 mV @ dry ambient air
Response time	less than 10 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 3 min
Zero offset voltage	less than 0.3 Vol% O ₂ @ 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 1 MOhm
Temperature range (operating)	10 to 40°C
Interferences	according to EN ISO 80601-2-55
Temperature range (storage)	recommended: 5 to 30°C, maximum: -20 to 50°C
Humidity (storage)	less than 98 % RH
CE class	IIa
CE	1011
Shelf life	recommended less than 6 months
Packaging	1 unit per box
Packaging weight	0.04 kg
Manufacturer	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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