

## E-16 Oxygen sensor



<b>Reference</b>	E-16
<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-11-75-KE2, Maxtec MAX-16 (R114P70), MSA 701644, Nuova E-16/0, Precision Medical 505328, Sharn JB-16
<b>Brand &amp; Model(s)</b>	Flight Medical Flight 60, Philips Respironics Trilogy Evo, Puritan Bennett PB 700, PB 740, PB 760
<b>OEM Reference(s)</b>	Puritan Bennett G-062010-00
<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>	~ 1,200,000 Vol.% h
<b>Sensor lifetime</b>	less than 6 years @ ambient air

<b>Initial output signal</b>	9.5 to 16.0 mV @ dry 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 % full scale
<b>Influence of humidity</b>	- 0.03 % rel. O <sub>2</sub> reading per % RH
<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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