

O₂ Sensors



O₂ sensors from GE Healthcare offer clinicians the ability to monitor the partial pressure of oxygen in anesthesia, critical care, incubators and general oxygen monitors.

Finally, a reliable alternative to generic O₂ sensors

With GE oxygen sensors, you now have a cost-effective, reliable and durable alternative to generics. For nearly two decades, GE Healthcare has been a trusted and respected provider of high-quality supplies and accessories. Our new O₂ sensors are the latest additions to an already extensive product family. Compatible with a broad range of patient monitoring platforms, across all care areas, this new sensor line is built to exacting standards to deliver long life, resist anesthesia agents and withstand high levels of CO and CO₂.

Single-Source Simplicity

Our expanded portfolio of accessories and supplies offers coverage across the care continuum and allows you to choose a care-specific solution package to meet your individual requirements. As your single-source provider, GE enables efficient materials management, producing cost synergies and long-term value that you can benefit from.



Technical Information

6051-0000-216, 6051-0000-217, 6051-0000-218 and 6051-0000-219

Performance Characteristics	
Output	9-13 mV in 210 mBar O ₂
Range	0-1500 mBar O ₂
Signal in 100% O ₂	100±1%
Response Time (air to 100% O ₂)	T ₉₀ < 15s
Operating Temperature Range	-20°C to +50°C
Pressure Range	0.5-2.0 Bar
Relative Humidity Range	0 to 99% non-condensing
Long-Term Output Drift in 100% O ₂	Typically <5% over 1 year
Cross-Sensitivity	Meets EN12598 requirements
Warranty Period*	13 months from date of dispatch
Cross-sensitivity	
Test Gas	Error (%O ₂)
50% He/50% O ₂	<1%
80% N ₂ O/20% O ₂	+1 to +1.5%
4% Halothane/28.8% O ₂ /67.2 N ₂ O	+1.5 to 2%
5% Sevoflurane/28.5% O ₂ /66.5% N ₂ O	+1 to +1.5%
5% Enflurane/28.5% O ₂ /66.5% N ₂ O	+1.2 to +1.8%
5% Isoflurane/28.5% O ₂ /66.5% N ₂ O	+1.2 to 1.8%
5% CO ₂ /28.5% O ₂ /66.5% N ₂ O	<1%

0237-2034-700

Performance Characteristics	
Output	11-17 mV with 300Ω external load resistance in 210 mBar O ₂ @20°C
Range	0-1500 mBar O ₂
Signal in 100% O ₂	100±1%
Response Time (air to 100% O ₂)	T ₉₀ < 20s
Operating Temperature Range	-20°C to +50°C
Pressure Range	0.5-2.0 Bar
Relative Humidity Range	0 to 99% non-condensing
Long-Term Output Drift in 100% O ₂	<5% signal loss/year
Cross-Sensitivity	Meets EN12598 requirements
Warranty Period*	15 months from date of dispatch
Cross-sensitivity	
Test Gas	Error (%O ₂)
50% He/50% O ₂	<1%
80% N ₂ O/20% O ₂	+1 to +1.5%
4% Halothane/28.8% O ₂ /67.2 N ₂ O	+1.5 to 2%
5% Sevoflurane/28.5% O ₂ /66.5% N ₂ O	+1 to +1.5%
5% Enflurane/28.5% O ₂ /66.5% N ₂ O	+1.2 to +1.8%
5% Isoflurane/28.5% O ₂ /66.5% N ₂ O	+1.2 to 1.8%
5% CO ₂ /28.5% O ₂ /66.5% N ₂ O	<1%

*Subject to applicable standard terms of warranty. Contact your GE representative for the most current information.

6051-0000-220

Performance Characteristics	
Output	11-17 mV with 300 Ω external load resistance in 209 mBar O ₂ @20°C
Range	0-1500 mBar O ₂
Signal in 100% O ₂	100 \pm 1%
Response Time (air to 100% O ₂)	T ₉₀ < 15s
Operating Temperature Range	-20°C to +50°C
Pressure Range	0.5-2.0 Bar
Relative Humidity Range	0 to 99% non-condensing
Long-Term Output Drift in 100% O ₂	<5% signal loss/year
Cross-Sensitivity	Meets EN12598 requirements
Warranty Period*	15 months from date of dispatch
Cross-sensitivity	
Test Gas	Error (%O ₂)
50% He/50% O ₂	<1%
80% N ₂ O/20% O ₂	+1 to +1.5%
4% Halothane/28.8% O ₂ /67.2 N ₂ O	+1.5 to 2%
5% Sevoflurane/28.5% O ₂ /66.5% N ₂ O	+1 to +1.5%
5% Enflurane/28.5% O ₂ /66.5% N ₂ O	+1.2 to +1.8%
5% Isoflurane/28.5% O ₂ /66.5% N ₂ O	+1.2 to 1.8%
5% CO ₂ /28.5% O ₂ /66.5% N ₂ O	<1%

6050-0004-110

Performance Characteristics	
Output	9-13 mV in 210 mBar O ₂
Range	0-1500 mBar O ₂
Signal in 100% O ₂	100 \pm 1%
Response Time (air to 100% O ₂)	T ₉₀ < 15s@20°C
Operating Temperature Range	-20°C to +50°C
Pressure Range	0.5-2.0 Bar
Relative Humidity Range	0 to 99% non-condensing
Long-Term Output Drift in 100% O ₂	Typically <5% over 1 year
Cross-Sensitivity	Meets EN12598 requirements
Warranty Period*	13 months from date of dispatch
Cross-sensitivity	
Test Gas	Error (%O ₂)
50% He/50% O ₂	<1%
80% N ₂ O/20% O ₂	+1 to +1.5%
4% Halothane/28.8% O ₂ /67.2 N ₂ O	+1.5 to 2%
5% Sevoflurane/28.5% O ₂ /66.5% N ₂ O	+1 to +1.5%
5% Enflurane/28.5% O ₂ /66.5% N ₂ O	+1.2 to +1.8%
5% Isoflurane/28.5% O ₂ /66.5% N ₂ O	+1.2 to 1.8%
5% CO ₂ /28.5% O ₂ /66.5% N ₂ O	<1%

6051-0000-222

Performance Characteristics	
Output	9-13 mV in 210 mBar O ₂
Range	0-1500 mBar O ₂
Signal in 100% O ₂	100±1%
Response Time (air to 100% O ₂)	T ₉₀ < 15s@20°C
Operating Temperature Range	-20°C to +50°C
Pressure Range	0.5-2.0 Bar
Relative Humidity Range	0 to 99% non-condensing
Long-Term Output Drift in 100% O ₂	Typically <5% over 1 year
Cross-Sensitivity	Meets EN12598 requirements
Warranty Period*	13 months from date of dispatch
Cross-sensitivity	
Test Gas	Error (%O ₂)
50% He/50% O ₂	<1%
80% N ₂ O/20% O ₂	+1 to +1.5%
4% Halothane/28.8% O ₂ /67.2 N ₂ O	+1.5 to 2%
5% Sevoflurane/28.5% O ₂ /66.5% N ₂ O	+1 to +1.5%
5% Enflurane/28.5% O ₂ /66.5% N ₂ O	+1.2 to +1.8%
5% Isoflurane/28.5% O ₂ /66.5% N ₂ O	+1.2 to 1.8%
5% CO ₂ /28.5% O ₂ /66.5% N ₂ O	<1%

6051-0000-224

Performance Characteristics	
Output	14.5-19.5 mV with 600Ω external load resistance in 210 mBar O ₂ @25°C on each cathode
Range	0-100% O ₂
T ₉₀ Response Time (N ₂ to 100% O ₂)	<13 seconds
Operating Temperature Range	-0°C to +40°C
Pressure Range Absolute	600 –1750 mBar
Differential	500 mBar
Relative Humidity Range	Up to 100% RH
Long-Term Output Drift in 100% O ₂	<1.5% signal loss/month
Cross-Sensitivity	Meets EN12598 and ISO7767 requirements
Warranty Period*	13 months from date of dispatch
Cross-sensitivity	
Test Gas	Error (%O ₂)
80% N ₂ O in N ₂	<0.5%
7.5% Halothane in N ₂	<0.5%
9% Sevoflurane in N ₂	<0.5%
7.5% Enflurane in N ₂	<0.5%
7.5% Isoflurane in N ₂	<0.5%
20% Desflurane in N ₂	<0.5%
10% CO ₂ in N ₂	<0.5%

GE Healthcare

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