Medical Oxygen Sensors (O$_2$ sensors)

1. General Specifications, intended use and characteristics of our medical oxygen sensors:

Intended use: Nuova medical oxygen sensors are intended to be used in in medical devices such as anesthesia machines, ventilators, oxygen monitors and analyzers, incubators etc. to measure oxygen concentrations in breathing gas mixtures.

- Interferences against anesthetic gases according to DIN EN ISO 80601-2-55:2012
- Up to 22 months warranty from the date of shipment (depending on sensor type)
- Life time up to 60 months
- Storage time up to 6 months max. recommended (depending on sensor type)
- Storage temperature between min. 0° C and max. 40° C in original package
- Operating temperature between 10° C and 40° C
- Minimum or basically no warm-up time
- Less risk of leakage based on improved sensor housing
- Highly accurate and stable perfomance
- OEM possible

All technical data based on 25°C temperature, 50% relative humidity and 1013hPA pressure.
(Diving sensors on request)

For detailed specifications and prices contact Nuova (see contact form below). The cross reference list is based on best knowledge of Nuova. Nuova can not be held responsible for any changes of specifications by the OEM manufacturer or any non-compatibilites.

E-09/0

- Connector: 3-pin wired Molex
- Measuring range: 0-100% O$_2$
- Output signal: 9.5–14 mV
- Response time: < 18 seconds
- Warranty: 16 months
- Storage: up to 6 months

E-11/0

- Connector: AMP350777-1 2 way mating lock
- Measuring Range: 0-100% O$_2$
- Output signal: 8.5-12.5mV
- Response time: < 17 seconds
- Warranty: 16 months
- Storage: up to 6 months

E-14/0

- Connector: 0.141" miniature phone plug on cable
- Measuring range: 0-100% O$_2$
- Output signal: 8–12 mV
- Response time: < 17 seconds
- Warranty: 16 months
- Storage: up to 6 months

E-14/S

- Connector: phone plug with cable
- Measuring range: 0-100% O$_2$
- Output signal: 8-12 mV
- Response time: < 17 seconds
- Warranty: 16 months
- Storage: up to 6 months

E-15/0

- Connector: 3 contact rings gold plated
- Measuring range: 0-100% O$_2$
- Output signal: 14–20 mV

E-15/2

- Connector: 3 contact rings
- Measuring range: 0-100% O$_2$
- Output signal: 14.–20 mV
- Response time: < 12 seconds

E-15/4

- Connector: modular jack
- Measuring range: 0-100% O$_2$
- Output signal: 8–12 mV
- Response time: < 16 seconds

E-15/5

- Connector: 3.5 mm mono jack
- Measuring range: 0-100% O$_2$
- Output signal: 8–12 mV
- Response time: < 16 seconds

- Response time:< 17 seconds
- Warranty: 16 months
- Storage: up to 6 months

- Warranty: 15 months
- Storage: up to 6 months

- Warranty: 16 months
- Storage: up to 6 months

- Warranty: 16 months
- Storage: up to 6 months

E-15/5M

- specification as E-15/5 however different housing to fit for Mindray WATO

E-16/0

- Connector: 3-pin Molex
- Measuring range: 0-100% O_2
- Output signal: 9.5-16 mV
- Response time: < 12 seconds
- Warranty: 16 months
- Storage: up to 6 months

E-16/HTT

- Connector: 3-pin Molex
- Measuring range: 0-100% O_2
- 9.5-16 mV
- Response time: 12 s at flow >2l/min
- Warranty: 12 months
- Storage: up to 6 months

E-17/A2

- Connector: 3-pin Molex
- Measuring range: 0-100% O_2
- Output signal: 8–12.5 mV
- Response time: < 15 seconds
- Warranty: 16 months
- Storage: up to 6 months

E-17/A2A

- Connector: 3 pin Molex
- Measuring Range: 0-100% O_2
- Output signal 8-12.5 mV
- Response time:: < 15 seconds
- Warranty: 16 months
- Storage: up to 6 months

E-17/A2MH3

- Connector: 3 pin Molex
- Measuring Range: 0-100%
- Output Signal: 10-13mV
- Response time: 4 seconds
- Warranty: 12 months
- Storage: up to 6 months

E-17/A4

- Connector: 3-pin Molex
- Measuring range: 0-100% O_2
- Output signal: 11-14 mV
- Response time: < 12 seconds
- Warranty: 12 months
- Storage: up to 3 months

E-17/J

- Connector: 3.5 mm mono jack
- Measuring range: 0-100% O_2
- Output signal: 13–16-5 mV
- Response time: < 12 seconds
- Warranty: 16 months
- Storage: up to 6 months

E-17/M

- Connector: 3-pin Molex
- Measuring range: 0-100% O_2
- Output signal: 12.5-16.5 mV
- Response time: < 12 seconds
- Warranty: 16 months
- Storage: up to 6 months

E-25/0

- Connector: straight power jack
- Measuring range: 0-100% O2
- Output signal: 9–14.5 mV
- Response time: < 12 seconds
- Warranty: 16 months
- Storage: up to 6 months

E-33/0

- Connector: gold plated Contact rings
- Measuring range: 0-100% O2
- Output signal: 200 µA
- Response time: < 20 seconds
- Warranty: 16 months
- Storage: up to 3 months

E-33/1

- Connector: double wired PCB plug
- Measuring range: 0-100% O_2
- Output signal: 200 µA
- Response time:< 20 seconds
- Warranty: 16 months
- Storage: up to 3 months

E-43/0

- Connector: gold plated contact rings
- Measuring range: 0-100% O_2
- Output signal: 25–35.5 mV
- Response time: < 17 seconds
- Warranty: 12 months
- Storage: up to 3 months
- always 2 pcs per pack

E-47/0

- AMP phone jack 4P4C
- Measuring range: 0-100% O_2
- Output signal: in accordance with Hudson
- 5801 analyzer
- Response time: < 12 seconds
- Warranty: 16 month
- Storage: up to 6 months

E-55/0

- Connector: 4-pin male socket
- Measuring range: 0-100% O_2
- Output signal: 250-650nA
- Response time: < 15 seconds
- Warranty: 16 months
- Storage: up to 4 months

E-60/0

- Connector: AMP phone jack
- Measuring range: 0-100% O_2
- Output signal: 3.8-4.8 mV
- Response time: < 12 seconds
- Waranty: 16 months
- Storage: 4 months

E-60/LF (LONG LIFE SENSOR)

- Lead-free, ROHS compliant
- Connector: 3 pin Molex
- Measuring range: 0-100%
- Output signal: 0.8-1.25 V
- Response time: < 5 seconds
- Warranty: 24 months
- Storage: up to 6 months

E-75/A

- Connector: AMP phone jack
- Measuring range: 0-100% O_2
- Output signal: 8.5 - 13.5 mV
- Response time: < 15 seconds
- Warranty: 24 months
- Storage: up to 6 months

E-75/1

- Connector: AMP
- Measurng range: 0-100% O_2
- Output signal: 10 - 14 mV
- Response time: < 13 seondcs
- Warratny: 22 months
- Storage: up to 6 months

E-75/4

- Connector: NESJ25
- Measuring range: 0-100% O_2
- Output signal: 10-14 mV
- Response time < 13 seconds
- Warranty: 22 months
- Storage: up to 6 months

E-75/6 and E-75/8

- Connector: E-75/KE6: SM2SH 2pol
- Connector: E-75/KE8: IP40 3pol
- Measruring range: 0-100% O_2
- Output signal: 10-14 mV
- Response time: < 13 seconds
- Warranty and Storage as E-75/4

E-75/9 (new release)

- Connector: 3.5 phone jack
- Measuring range 0-100% O_2
- Output signal: 10-13,5 mV
- Response time: 13 seconds
- Warranty: 22 months
- Storage: up to 6 months
- with flow diverter

E-75/13PB

- compatible to Puritan Bennett sensor **PB10097559**

E-75/HL

- Connector: 3 pin phone connector
- Measuring Range: 0-100% O
- Output signal: 10-13.5mV
- Response time: 13 seconds
- Warranty: 15 months
- Storage: up to 6 months

E-77/0

- Connector: RJ11 modular plug 4P4C
- Measuring range: 0-100% O2
- Output signal: 7.5–13.0 mV
- Response time: < 12 seconds
- Warranty: 16 months
- Storage: up to 6 months

E-77/0S

- Connector: RJ11 modular jack
- Measuring range: 0-100% O_2
- Output signal: 9-13 mV
- Response time: < 15 seconds
- Warranty: 16 months
- Storage: up to 6 months

E-8000

- Connector: 3 gold plated contact rings
- Measuring range: 0-100% O_2
- Output signal: 14.5–20 mV
- Response time: < 12 seconds
- Warranty: 16 months
- Storage: up to 6 months

Contact Nuova®

Manufacturer/Model	OEM Sensor/Machine	Nuova Sensors
Aeomed®	Aeon 7200, 7400A	E-77/0
Airshields®	6735142	E-17/J
Airshields®	6736140	E-55/0
Airshields® (Hill Rom®) C2000/C200	8362030, MU13223	E-17/A2
Airshields® C100	specify monitor and oxygen cell	
Airshields®	Infant Incubator Isolette C2000, C2000e	E-17/A2
Akkutronik®	Monsoon III, Fabian, Fabian+	E-17/A4
Allied Healthcare® (B+F Medical)	65004	E-33/0
Alpha Med®		E-17/J
Analystical Industrie®	AII2000M/A monitors	E-60/0
Analystical Industries®	PSR-11-75-KE1, KE2, KE4, KE6, KE8	ask Nuova
Analytical Industrie®	PSR-11-915	E-15/0
Analytical Industries®	PSR-II-58	E-47/0
Analytical Industries®	PSR-11-55	E-55/0
Analytical Industries®	PSR-11-77	E-77/0
Analytical Industries®	PSR-11-95/4	E-15/4
Analytical Industries®	PSR-11-15/2i	E-15/2
Analytical Industries®	PSR-11-917-M1	E-17/A2
Analytical Industries®	PSR-11-917-M	E-16/0
Analytical Industries®	PSR-11-917-M2	E-17/M
Analytical Industries®	PSR-11-917-MH1	E-17/A2
Analytical Industries®	PSR-11-917-J1	E-25/0
Analytical Industries®	PSR-11-917-J6	E-17/J
Analytical Industries®	PSR-11-33	E-33/0
Analytical Industries®	PSR-11-33-2	ask Nuova
Analytical Industries®	PSR-11-60-03	E-77/0S
Analytical Industries®	PSR-11-77/0	E-77/0
ATOM®	100 & 101 dual incubator	E-17/MH3
ATOM®	OX-60	E-15/5
ATOM®	2000, 2100 Incubator, 2100G	E-17/A2
ATOM®	V2200 (round connector)	E-17/A2A

BCI®	R-17	E-17/J
Bertucci®	T1/T2	E-33/0
Bio Tek®	X74223	E-33/0
Biomed®	M-2/M-10	E-33/0
Biomed®	48351	E-33/0
Biomed®	Crossvent 2,3,4, IC-2A	E-15/5
Biotest®	all	ask Nuova
Bird®	AVEA	E-17/C
Bird®	Sentry and Senty I	E-25/0
BMD®	10006	E-17/J
BREAS® (GE®)	Vivo 50	E-17/J
CAREFUSION® (see also Versamed, Viasys, Bird)		E-17/M
CAREFUSION® (see Viasys)	2000 older model	
Ceramatec®	CAG-14	E-09/0
Ceramatec®	CAG-1	E-15/0
Ceramatec®	CAG-11	E-15/2
Ceramatec®	CAG-10	E-15/4
Ceramatec®	CAG-13	E-15/5
Ceramatec®	CAG-12	E-17/M
Ceramatec®	CAG-19	E-33/0
Ceramatec®	CAG-18	E-33/1
Ceramatec®	CAG-9	E-55/0
Ceramatec®	CAG-17	E-77/0
Cheiron®	CAG-18	E-33/1
City Technologies®	MOX-10	E-11/0
City Technologies®	MOX-01	E-17/A2
City Technologies®	MOX-02	E-15/5
City Technologies®	MOX-09	E-17/M
City Technologies®	MOX-04	E-77/0
City Technologies®	MOX-03	E-77/OS
City Technologies®	MOX-06	E-15/0
Comen®	MOX-03	E-77/OS
Covidien® (see Puritan Bennett®)		
Criticare®	644 oxygen cell	E-17/A2
Criticare®	8100Poet Plus, 8500 Poet, 8500 Poet IQ, IQ2	E-17/A2
Dameca®	Alphamed	E-17/J
Datascope®	0600-00-0002	E-17/A2
Datex-Engstrom®	Erica, Elvira	E-17/J
DP Medical®	MVA210	E-15/2
Draeger®	Original 6850930	ask Nuova
Draeger®	6803290	E-15/0
Draeger®	Incubator 8000 only	E-8000
Draeger®	6850645/6803290 Cicero, Cato, Babylog, Sulla, Oxycom, Oxydig, Savina, Evita 2 & 4, Evita Dura, Evita XL, PM8, Fabius, Fabius GS, Anemone,	E-15/2
Draeger® Narcomed 1A,2,2B,3,4	6850645 oxygen cell	E-15/2
EME®,	Infant Ventilator	E-17/M
EnviteC®	OOM204	E-17/A4
EnviteC®	OOM202-1	E-17/J
EnviteC®	OOM202-2	E-09/0
EnviteC®	OOM202-2S	E-11/0
EnviteC®	OxiQuant B	E-15/5
EnviteC®	OxiQuant RM	E-15/0
EnviteC®	OOM201	E-15/2

EnviteC®	OOM102-1	E-15/5
EnviteC®	OxiQuant M	E-15/5
EnviteC®	OOM101	E-15/0
EnviteC®	OOM102	E-17/A2
EnviteC®	OOM102-C	E-17/A2
EnviteC®	OOM103	E-17/A2
EnviteC®	OOM103-1	E-17/J
EnviteC®	OOM103-1M	E-25/0
EnviteC®	OOM202	E-17/M
EnviteC®	OOM107	E-33/0
EnviteC®	OOM107-2	E-33/1
EnviteC®	OOM105	E-77/0
EnviteC®	OOM104	E-8000
EnviteC®	OOM106	E-17/A2A
eVent	Inspiration LS	E-17/M
F. Stephan®	Stefanie	E-11/0
F. Stephan®	OOM101	E-15/0
F. Stephan®	ARTEC	E-15/5
F. Stephan®	Alia part no. 13006001 (M-11)	E-11/0
F. Stephan®	Christina 1107600009 Vent.	E-17/J
Fraser Harlake®	66-00453	E-33/0
Fresenius®	X74223	E-33/0
Ginevri Italy®	Figaro 25 sensor	ask Nuova
GE/Marquette®	R-22	E-17/A2
GE®/BREAS®	see under BREAS	
Hamilton®	Oxygen cell HM01, Aladdin, Amadeus, Veolar	E-33/0
Hamilton®	Oxygen cell HM-12, Raphael, Galileo, Arabella, Multniex	E-17/A2
Hamilton®	Oxygen cell HM-10	E-15/0
Hamilton®	Oxygen cell HM-13, HM-14	E-15/2
Hamilton ®	Oxygen cell HM-12	E-17/A2
Hamilton®	Oxygen cell HM-11	E-17/J
Hamilton®	Oxygen cell HM-03	E-77/0
Heinen und Loewenstein®	OOM102	E-17/A2
Heinen und Loewenstein®	Leoni, Leoni2, Leoni Plus	E-17/A4
Heinen und Loewenstein®	Leon	E-75/HL
Henleys®	5556	E-17/A2
Henleys®	5567	E-17/J
Henleys®	5569	E-33/0
Hewlett Packard®	15201-1A	E-15/0
Hewlett Packard®	15201A	E-15/2
Heyer®	Pocket O2	E-33/0
Hill-ROM® (see Airshields®)		E-17/A2
Hudson®	5800, 5801, 5803	E-47/0
Hudson®	5556	E-15/0
Hudson®	5557, V-14	E-15/2
Hudson®	5566, V-12	E-17/A2
Hudson®	5567, V-11	E-17/J
Hudson®	5568 C1, V-01	E-33/0
Hudson®	5558, V-03	E-77/0
Hudson®	5565	ask Nuova
Hudson®	5569, V-02, 5525, 5528, 5529, 5550, 5552	E-33/0
Hudson®	5500, V-05, 5557, 6477, 5590, 5595, 5584	E-55/0
IMED®	810/825	E-33/0

Infrasonics®	Adult Star, 60116	E-17/M
Integral Process®	all	ask Nuova
Invivo®	9445 sensor, Precess 3160, Millenia 3500, 3155A	E-17/J
IT-Gambert®	M-43 (double pack)	E-43/0
IT-Gambert®	M-25	E-25/0
IT-Gambert®	M-16	E-16/0
IT-Gambert®	M-15	E-15/5
IT-Gambert®	M-14ST	E-14/S
IT-Gambert®	M-14	E-14/0
IT-Gambert®	M-14/ST	E-14/S
IT-Gambert®	M-12	E-17/A2
IT-Gambert®	M-12/A	E-17/A2A
IT-Gambert®	M-10	E-15/4
IT-Gambert®	M-16HT	E-16/HTT
IT-Gambert®	M-09	E-09/0
IT-Gambert®	M-08	E-8000
IT-Gambert®	M-07	E-77/0
IT-Gambert®	M07/S	E-77/OS
IT-Gambert®	M06	E-33/1
IT-Gambert®	M05	E-33/0
IT-Gambert®	M-04	E-17/M
IT-Gambert®	M-03	E-17/J
IT-Gambert®	M-02/L2	E-15/2
IT-Gambert®	M-01	E-15/0
Ivac®	1200, 1225	E-33/0
Kontron®	ABT5100	E-17/J
Libra®	OM500	E-33/0
Lifecare®	PLV-100/102/37-079	E-17/J
Maxtec®	OM25AE/OM-25A Monitor, OM-25MEL	E-75/7
Maxtec®	Max-13C	E-14/0
Maxtec®	Max-1	E-15/0
Maxtec®	Max-7	E-15/5
Maxtec®	Max-11	E-15/2
Maxtec®	Max-10	E-15/4
Maxte®c	Max-16	E-16/0
Maxtec®	Max-41	E-16/0
Maxtec®	Max-47	E-47/0
Maxtec®	Max-48	E-48/0
Maxtec®	Max-12A	E-17/A2
Maxtec®	Max-13 (CAG13)	E-17/J
Maxtec®	Max-12 16, 22C	E-17/M
Maxtec®	Max 25E, Max-250 ESF, OM-A25 Analyzer, OM-25ME Monitor, OM-25MEL Monitor (exernal sensor)	E-25/0
Maxtec®	Max 250E	E-75/7
Maxtec®	Max-250A	E-75/A
Maxtec®	Max-250K	E-75/4
Maxtec®	Max-250B	E-75/6
Maxtec®	Max250E/OM-25MEL Monitor	E-75/9
Maxtec®	Max-25E	E-25/0
Maxtec®	Max-19 (CAG19)	E-33/0
Maxtec®	Max-18 (CAG18)	E-33/1
Maxtec®	Max-9	E-55/0
Maxtec®	Max-17 (CAG17)	E-77/O
Maxtec®	Max-2	E-15/1

Maxtec®	Max-3	E-77/OS
Maxtec®	Max-8	ask Nuova
Maxtec®	Max-15 (CAG15)	ask Nuova
Maxtec®	Max-25/250/OM25 Analyzer	E-75/1
Maxtec®	Max-14	E-09/0
MEDEC®, Belgium	M-03 sensor	E-17/J
Medigas®	T-1/T-2	E-33/0
Megamed®	M2	E-33/0
Megamed®	M1	E-33/1
Mercury Medical®	all	ask Nuova
Mindray®	VT50 Ventilator	E-77/0S
Mindray®	MOX-2 sensor WATO-EX50,55,60,65	E-15/5M
Mindray®	SV-300	E-77/0S
MSA® (Catalyst Resarch)	655264/655263	E-15/0 also E-15/2
MSA® (Catalyst Research)	710644	E-16/0
MSA® (Catalyst Research)	472062/470644	E-17/M
MSA® (Catalyst Research)	478841, 485955	E-33/0
MSA® (Catalyst Research)	485905, 655262	E-33/1
MSA® (Catalyst Research)	655265	E-55/0
MSA® (Catalyst Research)	804674	E-77/0
MSA® MiniOx 3000		E-15/5
MSA® MiniOx I, II, III,	406931	E-17/J
MSA® MiniOx IA	806572	E-09/0
Newport®	Ventilator 500, Wave Ventilator	E-77/0
Newport®	Ventilator e500 & E360Event, HT-70	E-75/9
Newport® VM200	VM200	E-77/0
Newport® Wave Ventilator	OM100, OM105	E-77/0
Nuova	M-OA2003 Oxygen Monitor	E-49/0
OES Medical®	MOX-3	E-77/OS
Ohmeda® (GE®)	Giraffe (double pack)	E-43/0
Ohmeda® (GE®)	Oxygen sensor 0237-2034-700	E-15/0
Ohmeda® (GE®) Smart Vent 7900, 7100 Ventilator, Modulus SE, S-5 Espire, Aestiva, 3000/5, Aespira,	Oxygen sensor 6050-004-110	E-15/4
Ohmeda® (GE®) Centiva S/5	Oxygen sensor 6051-0000-216	E-17/A2
Ohmeda® (GE®)	Oxygen sensor 6051-0000-224	E-15/2
Ohmeda® (GE®)	Oxygen sensor 6051-0000-217	E-17/J
Ohmeda® (GE®)	Oxygen sensor 6051-0000-222	E-17/M
Ohmeda® (GE®)	Oxygen sensor 6051-0000-219	E-77/0
Oxiquip®	T-1/T-2	E-33/0
Oxitron®	3710	E-15/2
Oxitron®	3310	E-17/J
Oxitron®	3250	E-33/0
Oxitron®	3050	E-33/1
Pacifitech®	all	ask Nuova
Paragon Services®	PS-2000	E-15/2
Paragon Services®	PS-1000	E-15/0
Penlon®	MOX-3	E-77/OS
Penlon®	58780 oxygen sensor	E-15/5
PPG Biomedical® Saracap	504055-001	E-17/M
PPG Biomedical®, Irisa	505055-001	E-15/2
Puritan Bennett® 740/760/840, PB2000 TEST	4-072214-0	E-16/0

Puritan Bennett®	sensor PB10097559	E-75/13PB
Puritan Bennett® 7820/7200 Vent, PB850	4-020933-00	E-17/J
Puritan Bennett® 840 Ventilator (OLD MODEL)		E-75/1
Respironics®	Esprit/Lifecare 1001454, Wisperflow	E-15/5
RESMED®	Elisee 150/250 (lead free sensor)	E-60/LF
Schoch® Esprit/Lifecare	T1/T2	E-33/0
Sechrist® 650	43170	E-77/0
Sensidyne®	SV-26	E-09/0
Sensidyne®	SV-14A	E-15/0
Sensidyne®	SV-20A	E-15/4
Sensidyne®	SV-11A	E-17/J
Sensidyne®	SV-12A	E-17/M
Sensidyne®	SV-25A	E-25/0
Sensidyne®	SV-01	E-33/0
Sensidyne®	SV-02	E-33/1
Sensidyne®	SV-03	E-77/0
Sensor Tec ®(BPR Medical®)	ST-05	E-55/0
Sensor Tec® (BPR Medical®)	ST-13	E-15/0
Sensor Tec® (BPR Medical®)	ST-14	E-15/2
Sensor Tec® (BPR® Medical)	ST-10	E-15/0
Sensor Tec® (BPR® Medical)	ST-12	E-17/A2
Sensor Tec® (BPR Medical®)	ST-11	E-17/J
Sensor Tec® (BPR Medical®)	ST-12, ST-04	E-17/M
Sensor Tec® (BPR Medical®)	ST-02	E-33/1
Sensor Tec® (BPR Medical®)	ST-01	E-33/0
Sensor Tec® (BPR Medical®)	ST-03	E-77/0
Shoch®	T-1/T-2	E-33/0
SIARE®	Morpheo, Perseo	E17/J
Siemens®	9004979/6419332, Ventilators 900, 900C, 900D, 700, 710, 300, V710, 600	E-17/M
Siriusmed	R-30	E-17/A2
SLE®	2000HFO/2000 older style Vent (2 pin connector)	E-75/6
SLE®	4000/5000 Vent., 3pin connector	E-75/8
SLE®	T801 Monitor	E-15/5
Spacelabs®	Oxygen sensor015-0285-00, 90513	E-15/5
Spacelabs®	Oxygen sensor 015-0132-03, 90514 gas analyzer	E-17/A2
Sun Medical®		E-33/0
Taema®	Alys, Clarys, YR010100	E-15/5
Taema®	Cesar (new)	E-17/A2
Taema®	Eole, Cesar	E-17/J
Taema®	YR 049700, Cesar 2, Horus	E-17/M
Taema®	KV050501, Oxy2100	E-33/0
Taema®	YR 010100, Alys, Claris	E-15/5
Teledyne®	C-41131 (R15)	E-15/0
Teledyne®	C-61339 (R23MED)	E-15/2
Teledyne®	R30MED	E-15/4
Teledyne®	TED-AX300 (R17MED, R17MEDV)	E-15/5
Teledyne®	R22MED	E-17/A2
Teledyne®	B-62321 (R24MED)	E-17/M
Teledyne®	R24MED	E-17/M
Teledyne®	R29MED	E-25/0
Teledyne®	C1R (B 39022)	E-33/1
Teledyne®	R13MED	E-55/0
Teledyne®	R15MED	E-15/0
Teledyne®	R26MED	E-15/5

Teledyne®	R32MED	ask Nuova
Teledyne®	C2R (B 39023)	E-33/0
Teledyne®	Class C1, T1/T2, TED160, 190	E-33/0
Teledyne®	AX300/MX300	E-15/5
Teledyne®	R-36	E-17/A2
Teledyne®	A51327 (T-7) TED60T, 191T,200T, 200T	E-77/0
Vapotherm®	Precision Flow	E-75/1
Vascular Technology®	100352	E-15/0
Vascular Technology®	101372	E-15/2
Vascular Technology®	103100	E-17/M
Vascular Technology®	103101	E-33/0
Vascular Technology®	103102	E-77/0
Vascular Technology®	103103	E-33/1
Vasular Technology®	101272	E-15/0
Vasular Technology®	100580	E-17/J
Ventrex®	V-26	E-09/0
Ventrex®	V-14A	E-15/2
Ventrex®	V-20A	E-15/4
Ventrex®	V-11/A	E-17/J
Ventrex®	V-12A	E-17/M
Ventrex®	V-01	E-33/0
Ventrex®	V-02	E-33/1
Ventrex®	V-03	E-77/0
Ventronix®	5525, 5528, 5529	E-33/1
Ventronix®	5500, 5570, 5575, 5584, 5590, 5595	E-55/0
Versamed®	I-Vent 201AB,HC,IC, IC/AB	E-16/HTT
Viasys® (CAREFUSION®)	6400/8400/VIP Ventilator Sensor P/N 60030	E-17/J
Viasys® (CAREFUSION®)	AVEA/Infant Flow SiPap	E-17/C
Viasys ® (CAREFUSION®)	VELA	E-75/4
Viasys® (CAREFUSION®)	2000 older model	E-75/6
VTI®	VT1272, 101272, 100352	E-15/0
VTI®	101372, 100352	E-17/J
VTI®	103100	E-17/M

EC Declaration of Conformity

.∷∷∷ıtg

Herewith we ensure and declare in the sole responsibility that the product(s), listed below, meet the provisions for total quality management system according the EC-Council Directive 93/42/EEC, Annex II excluding section 4, and its essential requirements according to Annex I.

Company:	IT Dr. Gambert GmbH Hinter dem Chor 21 23966 Wismar Germany
Manufacturer:	IT Dr. Gambert GmbH Hinter dem Chor 21 23966 Wismar Germany
Product category:	**O2-Sensor**

Type	Indication ITG
M-01	41 00 01
M-02L2	41 01 02
M-03 incl. Flow div.	41 03 03
M-04	41 00 06
M-04C	41 02 06
M-05	41 00 07
M-06	41 00 08
M-07	41 00 09
M-07S	41 01 09
M-08	41 00 12
M-09	41 00 23
M-10	41 00 14
M-11	41 00 15
M-12	41 00 17
M-12A	41 02 17
M-13	41 00 18
M-14	41 00 19
M-14ST	41 02 19
M-15	41 00 23
M-15M	41 08 23
M-16	47 00 16
M-16HTT	47 02 16

EC Declaration of Conformity

M-25	41 00 20
M-43	41 00 04
M-43 Doppelpack	41 06 04
M-47	41 00 27
M-48 incl. Flow-Diverter	41 01 28
M-80	41 00 31
MLF-60HC	41 00 40
MLF-16	47 03 16

Classification: **Class IIa** device
(according to EC-Council Directive 93/42/EEC Annex IX Rule 2)

Standards applied: DIN EN 1041 ; DIN EN 980 ; DIN EN 15223-1 ; DIN EN ISO 80601-2-55 ; DIN EN ISO 14971 ; RL 2011/65/EU(RoHS) ; DIN EN ISO 10993-1 and following ; DIN EN ISO 13485 ; 93/42/EEC

Notified Body: DEKRA Certification GmbH
Handwerkstraße 15
70565 Stuttgart
Germany

Affix CE-marking:

$C\epsilon$ 0124

CE certificate registration No.: 50403-16-07
Date of Initial certification: 31-08-2003

16.10.2018
Date

Official in charge

 iT in Grembert GmbH
Hinter dem Chor 21
23966 Wismar. Germany
Phone: +49-(0)-3841-22 00 50
Fax: +49-(0)-3841-22 00 522

EC Certificate

Full Quality Assurance System

Directive 93/42/EEC on Medical Devices (MDD), Annex II excluding (4)
(Devices in Class IIa, IIb or III)

No.   G1 16 10 96122 004

Product Service

Manufacturer:

Analytical Industries Inc.
2855 Metropolitan Place
Pomona CA 91767
USA

EC-Representative:

**Distribuciones y Respresentaciones
Biomedicas Direx, S.L**
Avda. San Pablo, 28. Nave 24
2882 Coslada Madrid
SPAIN

**Product
Category(ies):**

Oxygen Sensors, Analyzers and Monitors

The Certification Body of TÜV SÜD Product Service GmbH declares that the aforementioned manufacturer has implemented a quality assurance system for design, manufacture and final inspection of the respective devices / device categories in accordance with MDD Annex II. This quality assurance system conforms to the requirements of this Directive and is subject to periodical surveillance. For marketing of class III devices an additional Annex II (4) certificate is mandatory. See also notes overleaf.

Report No.:   72117342

Valid from: 2017-02-03
Valid until: 2022-02-02

Date,   2017-02-03

Stefan Preiß

040527688893409

TÜV SÜD Product Service GmbH is Notified Body with identification no. 0123

Page 1 of 2

Product Service

EC Certificate
Full Quality Assurance System
Directive 93/42/EEC on Medical Devices (MDD), Annex II excluding (4)
(Devices in Class IIa, IIb or III)

No.   G1 16 10 96122 004

Facility(ies):   Analytical Industries Inc.
                                      2855 Metropolitan Place, Pomona CA 91767, USA

TÜV SÜD Product Service GmbH · Zertifizierstelle · Ridlerstraße 65 · 80339 München · Germany

TÜV®

CERTIFICATE

EN ISO 13485:2016

DEKRA Certification GmbH hereby certifies that the company

IT Dr. Gambert GmbH

Scope of certification:

Design and development, manufacture and distribution of electro-chemical gas sensors for medical equipment

Certified location:

Hinter dem Chor 21, 23966 Wismar, Germany

has established and maintains a quality management system according to the above mentioned standard. The conformity was adduced with audit report no. 50403-Z6-00.

This certificate is valid from 2018-09-17 to 2021-09-16

Registration No.: 50403-14-00

Ruth Delbeck-Bayer
DEKRA Certification GmbH Stuttgart; 2018-08-31

(((**DAkkS**
Deutsche
Akkreditierungsstelle
D-ZM-16029-08-00

EC CERTIFICATE

for the Quality Assurance System

according the Directive 93/42/EEC, Annex II excluding section (4)

As a Notified Body of the European Union, DEKRA Certification GmbH certifies, that the company

IT Dr. Gambert GmbH

Hinter dem Chor 21, 23966 Wismar, Germany

Certified location:

Hinter dem Chor 21, 23966 Wismar, Germany

applies a quality assurance system according to the Directive 93/42/EEC Annex II for the medical devices listed in the annex. The approval is based on the result of the re-certification audit report no. 50403-Z6-00, the decision dated 2018-08-31 and is only valid in connection with the successful performance of the annual surveillance audits.

This certificate is valid from 2018-09-17 to 2023-09-16

Registration No.: 50403-16-07

Ruth Delbeck-Bayer
DEKRA Certification GmbH Stuttgart; 2018-08-31
Notified Body ID-number: 0124

Benannt durch/Designated by
Zentralstelle der Länder
für Gesundheitsschutz
bei Arzneimitteln und
Medizinprodukten
ZLG-BS-295.10.02
www.zlg.de

Annex to the EC Certificate No. 50403-16-07

Valid from 2018-09-17 to 2023-09-16

Revision status of the annex: 0 dated 2018-08-31

Devices/device categories included in the certificate:

Class II a:
- Oxygen sensors
- Nitric oxide sensors

Ruth Delbeck-Bayer
DEKRA Certification GmbH, Stuttgart, 2018-08-31
Notified Body ID-number: 0124