



**E-09/0**

- Connector: 3-pin wired Molex
- Measuring range: 0-100% O<sub>2</sub>
- 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<sub>2</sub>
- 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<sub>2</sub>
- 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<sub>2</sub>
- 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<sub>2</sub>
- Output signal: 14–20 mV
- Response time: < 17 seconds
- Warranty: 16 months



**E-15/2**

- Connector: 3 contact rings
- Measuring range: 0-100% O<sub>2</sub>
- Output signal: 14.–20 mV
- Response time: < 12 seconds
- Warranty: 15 months



**E-15/4**

- Connector: modular jack
- Measuring range: 0-100% O<sub>2</sub>
- Output signal: 8–12 mV
- Response time: < 16 seconds
- Warranty: 16 months



**E-15/5**

- Connector: 3.5 mm mono jack
- Measuring range: 0-100% O<sub>2</sub>
- Output signal: 8–12 mV
- Response time: < 16 seconds
- Warranty: 16 months

- Storage: up to 6 months

E



**E-15/5M**

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

- Storage: up to 6 months

E



**E-16/0**

- Connector: 3-pin Molex
- Measuring range: 0-100% O<sub>2</sub>
- Output signal: 9.5-16 mV
- Response time: < 12 seconds
- Warranty: 16 months
- Storage: up to 6 months

- Storage: up to 6 months

E



**E-16/HTT**

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

- Storage: up to 6 months

E



**E-17/A2**

- Connector: 3-pin Molex
- Measuring range: 0-100% O<sub>2</sub>
- Output signal: 8-12.5 mV
- Response time: < 15 seconds
- Warranty: 16 months
- Storage: up to 6 months

E



**E-17/A2A**

- Connector: 3 pin Molex
- Measuring Range: 0-100% O<sub>2</sub>
- Output signal 8-12.5 mV
- Response time: < 15 seconds
- Warranty: 16 months
- Storage: up to 6 months

E



**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
- currently n/a

E



**E-17/A4**

- Connector: 3-pin Molex
- Measuring range: 0-100% O<sub>2</sub>
- Output signal: 11-14 mV
- Response time: < 12 seconds
- Warranty: 12 months
- Storage: up to 3 months

E



**E-17/J**

- Connector: 3.5 mm mono jack
- Flow diverter to be ordered separately
- Measuring range: 0-100% O<sub>2</sub>
- Output signal: 13-16-5 mV
- Response time: < 12 seconds
- Warranty: 16 months

- Storage: up to 6 months

E



E-17/M

- Connector: 3-pin Molex
- Measuring range: 0-100% O<sub>2</sub>
- Output signal: 12.5-16.5 mV
- Response time: < 12 seconds
- Warranty: 16 months
- Storage: up to 6 months

E



E-25/0

- Connector: straight power jack
- Measuring range: 0-100% O<sub>2</sub>
- Output signal: 9-14.5 mV
- Response time: < 12 seconds
- Warranty: 16 months
- Storage: up to 6 months

E



E-33/0

- Connector: gold plated Contact rings
- Measuring range: 0-100% O<sub>2</sub>
- Output signal: 200 µA
- Response time: < 20 seconds
- Warranty: 16 months
- Storage: up to 3 months

E



E-33/1

- Connector: double wired PCB plug
- Measuring range: 0-100% O<sub>2</sub>
- Output signal: 200 µA
- Response time: < 20 seconds
- Warranty: 16 months
- Storage: up to 3 months

E



E-43/0

- Connector: gold plated contact rings
- Measuring range: 0-100% O<sub>2</sub>
- Output signal: 25-35.5 mV
- Response time: < 17 seconds
- Warranty: 12 months
- Storage: up to 3 months

E



E-47/0

- AMP phone jack 4P4C
- Measuring range: 0-100% O<sub>2</sub>
- Output signal: in accordance with Hudson 5801 analyzer
- Response time: < 12 seconds
- Warranty: 16 month

E



E-55/0

- Connector: 4-pin male socket
- Measuring range: 0-100% O<sub>2</sub>
- Output signal: 250-650nA
- Response time: < 15 seconds
- Warranty: 16 months
- Storage: up to 4 months

E



E-60/0

- Connector: AMP phone jack
- Flow diverter to be ordered separately
- Measuring range: 0-100% O<sub>2</sub>
- Output signal: 3.8-4.8 mV
- Response time: < 12 seconds
- Warranty: 16 months

- always 2 pcs per pack

- Storage: up to 6 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<sub>2</sub>
- Output signal: 8.5 - 13.5 mV
- Response time: < 15 seconds
- Warranty: 24 months
- Storage: up to 6 months
- currently n/a



**E-75/1**

- Connector: AMP
- Measuring range: 0-100% O<sub>2</sub>
- Output signal: 10 - 14 mV
- Response time: < 13 seconds
- Warranty: 22 months
- Storage: up to 6 months
- currently n/a



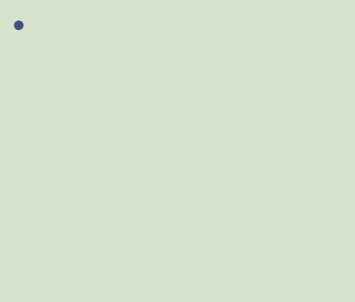
**E-75/4**

- Connector: NESJ25
- Measuring range: 0-100% O<sub>2</sub>
- Output signal: 10-14 mV
- Response time < 13 seconds
- Warranty: 22 months
- Storage: up to 6 months
- currently n/a



**E-75/6 and E-75/8**

- Connector: E-75/KE6: SM2SH 2pol
- Connector: E-75/KE8: IP40 3pol
- Measuring range: 0-100% O<sub>2</sub>
- Output signal: 10-14 mV



**E-75/9 (new release)**

- Connector: 3.5 phone jack
- Measuring range 0-100% O<sub>2</sub>
- Output signal: 10-13,5 mV
- Response time: 13 seconds



**E-75/13PB**

- compatible to Puritan Bennett sensor **PB10097559**
- **currently n/a**



- Response time: < 13 seconds
- Warranty and Storage as E-75/4
- currently n/a

- Warranty: 22 months
- Storage: up to 6 months with flow diverter
- currently n/a



**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
- currently n/a



**E-77/0**

- Connector: RJ11 modular plug 4P4C
- Flow diverter to be ordered separately
- Measuring range: 0-100% O<sub>2</sub>
- 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
- Flow diverter to be ordered separately
- Measuring range: 0-100% O<sub>2</sub>
- 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<sub>2</sub>
- Output signal: 14.5–20 mV
- Response time: < 12 seconds
- Warranty: 16 months
- Storage: up to 6 months



**Contact Nuova®**



# 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*



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

DEKRA Certification GmbH \* Handwerkstraße 15 \* D-70565 Stuttgart \* [www.dekra-certification.de](http://www.dekra-certification.de)



Benannt durch/Designated by  
Zentralstelle der Länder  
für Gesundheitsschutz  
bei Arzneimitteln und  
Medizinprodukten  
**ZLG-BS-295.10.02**  
[www.zlg.de](http://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



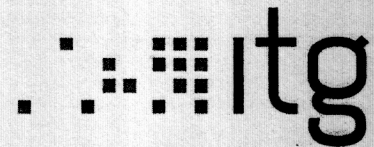
DEKRA Certification GmbH  
D-70565 Stuttgart, Handwerkstraße 15

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

DEKRA Certification GmbH \* Handwerkstraße 15 \* D-70565 Stuttgart \* [www.dekra-certification.de](http://www.dekra-certification.de)



## EC Declaration of Conformity



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

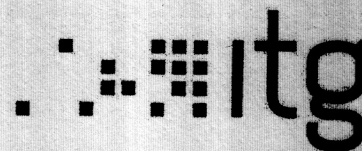
**Product category:** Oxygen Sensors / O2-Sensor

Type/Indication itg:	
M-01	41 00 01
M-02L2	41 01 02
M-03 incl. Flow Diverter	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 06 23
M-16	47 00 16

Documentversion:	12	Date:	04.01.21
------------------	----	-------	----------



## EC Declaration of Conformity



M-16HTT	47 02 16
M-25	41 00 20
M-43	41 00 04
M-47	41 00 27
M-48 Incl. Flow Diverter	41 01 28
M-80	41 00 31
MLF-16	47 03 16
MLF-60HC	41 00 40

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

**Notified Body:** DEKRA Certification GmbH  
Handwerkstraße 15  
70565 Stuttgart  
Germany

**NB - Code:** 0124

CE certificate registration No.: 50403-16-07  
valid until: 16-09-2023  
Date of Initial certification: 31-08-2003

Wismar, 04.01.2021

IT Dr. Gambert GmbH  
Hinter dem Chor 21  
23966 Wismar, Germany  
Phone: +49-(0)-3841-22 00 50  
Fax: +49-(0)-3841-22 00 522

Demian Gambert  
CEO

A handwritten signature in black ink, appearing to read 'Demian Gambert', is written over the printed name and title.

Documentversion:	12	Date:	04.01.21
------------------	----	-------	----------



# CERTIFICATE



## EN ISO 13485:2016

DEKRA Certification GmbH hereby certifies that the organization

**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-Z7-00.

Certificate registration no.:	50403-14-01	Certificate valid from:	2021-09-28
Validity of previous certificate:	2021-09-16	Certificate valid to:	2024-09-16



Ruth Delbeck-Bayer  
DEKRA Certification GmbH, Stuttgart, 2021-09-28





# CERTIFICATE



## EN ISO 13485:2016

DEKRA Certification GmbH hereby certifies that the organization

**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-Z7-00.

Certificate registration no.:	50403-14-01	Certificate valid from:	2021-09-28
Validity of previous certificate:	2021-09-16	Certificate valid to:	2024-09-16



Ruth Delbeck-Bayer  
DEKRA Certification GmbH, Stuttgart, 2021-09-28



PRODUCT MATCH LISTE NUOVA GMBH und IT-Wismar, WISMAR  
MEDICAL OXYGEN SENSORS  
Version 19.02.2020

It-Wismar Artikel Nr.	Nuova Artikel Nr.
M-09	E-09/0
M-11	E-11/0
M-14	E-14/0
M-14/ST	E-14/S
M-01	E-15/0
M-02 (M02L2 US Version, weisses Gehäuse)	E-15/2
M-10	E-15/4
M-15	E-15/5
M-15/M	E-15/5M
M-16	E-16/0
M-16HTT	E-16/HTT
M-12	E-17/A2
M-12A	E-17/A2A
M-80	E-17/A4
M-03	E-17/J
M-04	E-17/M
M-25	E-25/0
M-05	E-33/0
M-06	E-33/1
M-43	E-43/0
M-47	E-47/0
M-13	E-55/0
M-48	E-60/0
MLF-60HC	E-60LF
M-07	E-77/0
M-07S	E-77/0S
M-08	E-8000

Siehe auch websites [www.nuova.de](http://www.nuova.de), [www.it-wismar.de](http://www.it-wismar.de)

S. Schneider  
Ratzeburg, 19.02.2020