

## Technical specifications

Oxygen sensor for  
HAMILTON-C3/C2/C1/T1/MR1  
1/box



### Product specifications

Oxygen sensor model	PN 396200
Measurement range	0% to 100% O <sub>2</sub>
Accuracy and repeatability	< 1% volume O <sub>2</sub> when calibrated at 100% oxygen
Linearity error	< 3% relative
Response time	< 12 seconds to 90% of final value
Cross-interference	Meets ISO 80601-2-55 requirements
Effect of humidity	-0.03% relative per %RH at 25°C
Effect of mechanical shock	< 1% relative after a fall from a height of 1 meter
Temperature compensation	Built-in NTC compensation
Operating humidity	0% to 99% relative humidity, noncondensing
Long-term output drift	< 1% volume oxygen per month Typically < -15% relative over lifetime
Storage temperature	-20°C to +50°C
Prolonged lifetime	Maximum lifetime when stored between +5°C and +15°C
Warm-up time	< 30 minutes after replacement of sensor
Nominal sensor lifetime	≥ 1,000,000 of % volume oxygen hours
Warranty period <sup>13</sup>	15 months from date of manufacture

All specifications apply to standard conditions: 1013 hPa; 25°C dry, ambient air.

<sup>13</sup> For more information, see the 'Company statement Oxygen sensors warranty' on: <https://www.hamilton-medical.com/Partner-net/>.

# EU Certificate

## Quality Management System REGULATION (EU) 2017/745 on Medical Devices Annex IX Chapter I, Section 2 and 3 and Chapter III

Registration No.: HZ 1093044-1  
Manufacturer: Hamilton Medical AG  
Via Crusch 8  
7402 Bonaduz  
Switzerland

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Date: 2025.04.30 11:08:35 EEST  
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Location: Moldova



EUDAMED Single  
Registration No.: CH-MF-000013790

MOLDOVA EUROPEANĂ

Products: Products of class IIa:  
R9099 – Respiratory and Anaesthesia Devices – Others  
R020101 – Breathing Circuits, Standard  
R020102 – Breathing Circuits, Coaxial  
R030102 – Air/Oxygen Masks and Nasal Cannulas

Products of class IIb:  
R9099 – Respiratory and Anaesthesia Devices – Others  
R060201 – Humidification Systems  
Active Ventilation Humidification Systems

Products of class III:  
Z120301 – Instruments to Support and Monitor Vital Signs  
Anaesthesia and Pulmonary Ventilation Support  
Instruments

The Notified Body hereby declares that the requirements of Annex IX, Chapter I, Section 2 and 3 of the REGULATION (EU) 2017/745 have been met for the listed products. The above named manufacturer has established and applies a quality management system, which is subject to periodic surveillance, defined by Annex IX, Chapter I, Section 3 of the aforementioned regulation. The requirements of Annex IX, Chapter III are fulfilled.

If class III devices or class IIb implantable devices referred to in the second subparagraph of Article 52(4) are covered by this certificate an EU technical documentation assessment certificate according to Chapter II, Section 4.9 is required before placing them on the market.

Report No.: 3321004-520  
Effective date: 2024-01-12  
Expiry date: 2025-12-23  
Issue date: 2024-01-12

Sebastian Mniszek  
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This certificate can be validated on <https://www.certipedia.com>

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# EU Certificate

**Quality Management System  
REGULATION (EU) 2017/745 on Medical Devices  
Annex IX Chapter I, Section 2 and 3 and Chapter III**

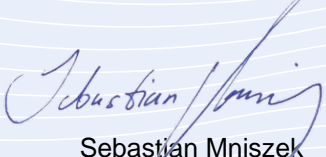
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Registration No.: CH-MF-000013790

Authorized representative(s): medin Medical Innovations GmbH  
Adam-Geisler-Strasse 1  
82140 Olching, Germany  
DE-AR-000006976

Certificate history		
Revision:	Description:	Issue date:
0	Initial certification	2021-09-15
1	Scope extension, Products of class IIb, add. R9099	2023-03-15
2	Scope extension, Products of class III, add. Z120301	2023-06-21
3	Scope extension, Products of class IIb, add. R060201	2024-01-12

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