



Certificates

HAMILTON-EM7

With respect to mechanical stability and electromagnetic compatibility for use in road and air ambulances, the HAMILTON-EM7 and its mounting solutions comply with the following standards and clauses:

Standard	Description
ISO 80601-2-84:2020 ISO 80601-2-84:2023	Particular requirements for the basic safety and essential performance of ventilators for the emergency medical services environment
ISO 80601-2-55:2018 ISO 80601-2-55:2023	Medical electrical equipment – Part 2-55: Particular requirements for the basic safety and essential performance of respiratory gas monitors
ISO 17664-2:2021	Processing of health care products - Information to be provided by the medical device manufacturer for the processing of medical devices - Part 2: Non-critical medical devices
IEC 60601-1:2005+A1:2012+A2:2020 AAMI/ANSI ES60601-1:2005/AMD2:2021 CAN/CSA-C22.2 NO. 60601-1:2014/ A2:2022_03	Medical electrical equipment – Part 1: General requirements for basic safety and essential performance
IEC 60601-1-12:2015/A1:2020	General requirements for basic safety and essential performance – Collateral Standard: Requirements for medical electrical equipment and medical electrical systems intended for use in the emergency medical services environment
SAEJ 3043*	Ambulance equipment mount device or systems
EN 13718-1: 2014+A1:2020 (covers also sections 6A; 7A; 8 U/U2; 20; 21M;26 of RTCA DO 160)*	Medical vehicles and their equipment – Air ambulances – Part 1: Requirements for medical devices used in air ambulances

Standard	Description
EN 1789:2020+A1:2023*	Medical vehicles and their equipment – Road ambulances
RTCA DO-160G* Section: 25, 21, 20.5, 20.4, 19.3.1, 19.3.2, 18.3.1, 17, 16.6.1.4, 16.6.2.1, 16.6.2.2, 16.6.2.4, 15	Environmental conditions and test procedures for airborne equipment
RTCA DO-160B (section 8 and 7)/EUROCAE ED 14G *	Environmental conditions and test procedures for airborne equipment
MIL-STD-810H*	Department of Defense Interface Standard: Environmental Engineering Considerations and Laboratory Tests
MIL-STD 704F*	Department of Defense Interface Standard: Aircraft Electric Power Engineering
MIL-STD 461G*	Department of Defense Interface Standard: Requirements for the Control of Electromagnetic Interference Characteristics of subsystems and Equipment
DIN 75079: 2025*	Emergency Physician Response Vehicles – Definitions, requirements, test

*not all requirements apply, only applicable ones are tested

Bonaduz, March 26, 2026



Bob Hamilton, CEO

HAMILTON
MEDICAL

Manufacturer:

Hamilton Medical AG

Via Crusch 8, 7402 Bonaduz, Switzerland

+41 (0)58 610 10 20

info@hamilton-medical.com

www.hamilton-medical.com



ELO20260314N.00

The products shown here are not available for purchase by the general public. The information provided here is intended for healthcare professionals only. Always read the labels and follow the product's instructions for use. Specifications are subject to change without notice. Some features are options. Not all features are available in all markets. All images are used for illustrative purposes only and may not accurately represent the product or its use. For all proprietary trademarks (®) and third-party trademarks used by Hamilton Medical AG see www.hamilton-medical.com/trademarks. ©2026 Hamilton Medical AG. All rights reserved.

HAMILTON-EM7