



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

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