

Shenzhen Huatongwei International Inspection Co., Ltd.

Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, Guangdong, China

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TEST REPORT IEC/EN 60601-2-66 Medical electrical equipment

Part 2-66: Particular requirements for the basic safety and essential performance of hearing instruments and hearing instrument systems

Report Verification:

Compiled by (+ signature) Naughty Lin

Report Reference No.....: CHTSM19010014

Reviewed by (+ signature)...... Mustang Wu

Approved by (+ signature) Tiger Jiang

Testing Laboratory: Shenzhen Huatongwei International Inspection Co., Ltd.

Address...... Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming,

Shenzhen, Guangdong, China

Applicant's name...... HUIZHOU JINGHAO MEDICAL TECHNOLOGY CO.,LTD

Address...... FLOOR 6, HUICHENG INDUSTRY BUILDING, NO.9 HUIFENG

DONG'ER ROAD, ZHONGKAI HIGH-TECH ZONE, HUIZHOU,

GUANGDONG, CHINA

Test specification:

Standard IEC/EN 60601-2-66:2015

Test procedure Test report only

Non-standard test method.....: N/A

Test Report Form No...... IEC60601_2_66D

Test Report Form(s) Originator......: TÜV SÜD Product Service GmbH

Master TRF...... Dated 2017-06

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Test item description.....: hearing aid

Trade Mark N/A

Manufacturer HUIZHOU JINGHAO MEDICAL TECHNOLOGY CO., LTD

JH-D26-02FA, JH-D26-16FA, JH-D26-02FS, HA70, HA75

Ratings..... 1.5Vd.c.

IEC/EN 60601-2-66

Summary of testing:

Tests performed (name of test and test clause):

- 1) 201.7.1.1 & 201.12.2Usability according to IEC 60601-1-6 is not evaluated in this report.
- 2) 201.17 Electromagnetic compatibility of ME EQUIPMENT and ME SYSTEMS according to IEC 60601-1-2 is not evaluated in this report.

Testing location:

Shenzhen Huatongwei International Inspection Co., Ltd.

Located in Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, Guangdong, China.

Summary of compliance with National Differences

N/A

Copy of marking plate

(The artwork below may be only a draft)

Name: Hearing Aid

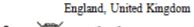
Model No.: JH-D26 Input : D.C.1.5V Mode of operation-continuous No AP/APG IP48

Manufacturer: HUIZHOU JINGHAO MEDICAL TECHNOLOGY CO.,LTD

Address: Floor 6, Huicheng Industry Building, No. 9 Huifeng DONG'ER ROAD ,ZHONGKAI HIGH-TECH ZONE, HUIZHOU,GUANGDONG,CHINA

European Representative: Wellkang Ltd

Address: Suite B, 29 Harley Street LONDON W1G 9QR,















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Tes	st item particulars	
Cla	ssification of installation and use	Body-worn
Sup	pply connection:	Internal Battery
Pos	ssible test case verdicts:	
- te	st case does not apply to the test object:	N/A
- te	st object does meet the requirement:	Pass (P)
- te	st object does not meet the requirement:	Fail (F)
Tes	sting:	
Dat	e of receipt of test items:	2018-12-29
Dat	e(s) of performance of tests:	2019-01-02 to 2019-05-24
Gei	neral remarks:	
This "(see	ee Enclosure #)" refers to additional information appered appended table)" refers to a table appended to the oughout this report a comma / point is used as Test Report Form contains the particular requirements.	ut the written approval of the Issuing testing laboratory. pended to the report. e report.
Ge	neral product information:	
1.	The ME equipment is body-worn ME equipment;	
2.	Mode of operation: continuous operation;	
3.	Mode of Supply: internal powered by button battery:	: 1.5Vd.c.;
4.	Max operation temperature: 40 degree C.	
5.	Model differences description: All models are same, tests are conducted on model JH-D26 and HA75 to	except the frequency. Unless otherwise specified, all the represent other models.
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Clause	Requirement + Test		Result - Remark	Verdict

201.4	GENERAL REQUIREMENTS		
201.4.1	Requirements of this standard applied in NORMAL USE and reasonably foreseeable misuse		Р
201.4.3	HEARING INSTRUMENTS do not have an ESSENTIAL PERFORMANCE		_
201.4.6	Subclause 4.6 of the general standard does not apply.	Refer to IEC/EN60601-1 report	_
201.4.10	Subclause 4.10 of the general standard does not apply.	Refer to IEC/EN60601-1 report	_
201.4.11	Subclause 4.11 of the general standard does not apply.	Refer to IEC/EN60601-1 report	_

201.5	GENERAL REQUIREMENTS FOR TESTING ME E	QUIPMENT	
201.5.2	TYPE TESTS conducted on one representative sample under investigation; multiple samples used simultaneously when validity of results was not significantly affected	Conducted on one representative sample	Р
201.5.3	Tests conducted within the environmental conditions specified in technical description	See below	Р
	Temperature (°C), Relative Humidity (%)	-10°C∼40°C, 30%~85%RH	Р
	Atmospheric Pressure (kPa)	860∼1060hPa	Р
201.5.4	aa) Inventory stocking conditions are specified by manufacturer	Refer to user manual	Р
	bb) Transport conditions are specified by manufacturer	Refer to user manual	Р
201.5.5	a) Effect of deviation of supply voltage from its rated value taken into account		N/A
	b) Supply voltage during tests was the least favourable of the voltages specified in 4.10 or voltages marked on ME EQUIPMENT (V)		N/A
	c) HEARING INSTRUMENTS tested with alternative ACCESSORIES and components specified in ACCOMPANYING DOCUMENTS to result in the least favourable conditions	Considered	Р
	d) ME EQUIPMENT connected to a separate power supply as specified in instructions for use	Internal powered	N/A
201.5.7	ME EQUIPMENT or parts thereof affected by climatic conditions were set up completely, or partially, with covers detached and subjected to a humidity preconditioning prior to tests of Clauses 201.8.7.4	Considered	Р
	Manually detachable parts removed and treated concurrently with major parts and manually removable ACCESS COVERS were opened and detached		Р

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	ME EQUIPMENT heated to a temperature between T and T + 4 °C for at least 4 h and placed in a humidity chamber with a relative humidity of 93 % ± 3 % and an ambient within 2 °C of T in the range of + 20 °C to + 32 °C for 48 h for IPX0 EQUIPMENT	IP48	N/A
	ME EQUIPMENT heated to a temperature between T and T + 4 °C for at least 4 h and placed in a humidity chamber with a relative humidity of 93 % ± 3 % and an ambient within 2 °C of T in the range of + 20 °C to + 32 °C for 168 h for higher ingress protection	IP48	Р
201.5.9	Determination of APPLIED PARTS and ACCESSIBLE PARTS	ARTS	Р
201.5.9.1	The HEARING INSTRUMENT and other parts that have to be in contact with the patient are TYPE B APPLIED PARTS		_
201.5.9.1	ACCESSIBLE PARTS		Р
201.5.9.2.1	Additional tests performed with the small finger probe of Fig.1 IEC 60601-1-11:2010	Not energy	N/A
201.5.201	Sound pressure level measured in decibels (dB) according to IEC 60118-0:2015	47.8dB	Р

201.6	CLASSIFICATION OF ME EQUIPMENT AND ME S	YSTEMS	
201.6.2	The insulation between SUPPLY MAINS and the HEARING INSTRUMENTS, if they have connections to mains supplied equipment, is provided within power supply, charger or other ACCESSORY.	Internal powered	Р
	The HEARING INSTRUMENT IS a TYPE B APPLIED PART		_
201.6.3	Protection against harmful ingress of water or particulate matter	See 201.11.6.5.	_
201.6.6	HEARING INSTRUMENTS are classified for CONTINUOUS OPERATION		_

201.7	ME EQUIPMENT Identification, marking, and doc	uments	Р
201.7.1.1	RISK of poor USABILITY associated with the design of ME EQUIPMENT'S identification, marking and documents addressed in the RISK MANAGEMENT PROCESS	See USABILITY ENGINEERING FILE ,EVALUATED BY MANUFACTURE	N/E
	The USABILITY evaluated based on the PATIENT profile	See USABILITY ENGINEERING FILE ,EVALUATED BY MANUFACTURE	N/E
	The design should be simple and does not require reference to ACCOMPANYING DOCUMENTS	See USABILITY ENGINEERING FILE ,EVALUATED BY MANUFACTURE	N/E
201.7.1.2	Legibility of Markings Test for Markings specified in Clause 7.2-7.3	Refer to IEC 60601-1 report	Р
201.7.2	Marking on the outside of ME EQUIPMENT or ME EQU	JIPMENT parts	Р
201.7.2.1	Markings applied on the product:	See attached copy of Marking Plate	Р

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Clause	Requirement + Test	Result - Remark	Verdict

	Remaining markings fully recorded in ACCOMPANYING DOCUMENTS	Refer to user manual	Р
	Markings applied to individual packaging when impractical to apply to ME EQUIPMENT		Р
201.7.2.2	MANUFACTURER'S name or trademark marked on ME EQUIPMENT and detachable components except when worn in the ear.	In the ear	N/A
	MODEL OR TYPE REFERENCE also marked, except when worn in the ear.	In the ear	N/A
	Identification of right and left HEARING INSTRUMENT unless absence of this marking does not present an unacceptable RISK	Not present an unacceptable RISK	N/A
	Serial number	Refer to Marking Plate	Р
	Year of manufacture	Refer to Marking Plate	Р
201.7.2.5	Subclause 7.2.5 of the general standard does not apply.	Refer to IEC/EN 60601-1 report	_
201.7.2.6	Subclause 7.2.6 of the general standard does not apply.	Refer to IEC/EN 60601-1 report	_
201.7.2.7	Subclause 7.2.7 of the general standard does not apply.	Refer to IEC/EN 60601-1 report	_
201.7.2.8	Subclause 7.2.8 of the general standard does not apply.	Refer to IEC/EN 60601-1 report	_
201.7.2.10	Subclause 7.2.10 of the general standard does not apply.	Refer to IEC/EN 60601-1 report	_
201.7.2.17	Packaging marked with special handling instructions for transport and/or storage	No such pecial handling instructions	N/A
201.7.8.1	Colours of indicator lights and their meaning stated in instructions for use	No indicator lights used	N/A
201.7.9.1	ME EQUIPMENT accompanied by documents containing at least instructions for use, and a technical description	Included in User Manual chapter "Safety Information"	Р
	ACCOMPANYING DOCUMENTS identify ME EQUIPMENT by the following, as applicable:		Р
	- Name or trade-name of the MANUFACTURER (contact information)	See the bottom of the User Manual	Р
	- Model or type reference	Included in User Manual chapter "Safety Information"	Р
	- Warning to RISK of impairing remaining hearing	Included in User Manual chapter "Safety Information"	Р
	When ACCOMPANYING DOCUMENTS provided electronically (e.g., on CDROM), RISK MANAGEMENT PROCESS includes instructions as to what is required in hard copy or as markings on ME EQUIPMENT (for emergency operation)	Not provided electronically. Provided on paper.	N/A

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Clause	Requirement + Test	Result - Remark	Verdict

	ACCOMPANYING DOCUMENTS written at a level consistent with education, training, and other needs of individuals for whom they are intended	No such requirements.	N/A
201.7.9.2	Instructions for use include the required information		Р
201.7.9.2.1	 name or trademark and address of the MANUFACTURER 	See the bottom of the User Manual	Р
	- MODEL OR TYPE REFERENCE	See in user manual chapter "Safety Information"	Р
	- intended use of ME EQUIPMENT,	See in user manual chapter "Safety Information"	Р
	- frequently used functions, and	See in user manual chapter "Safety Information"	Р
	 known side effects associated with use of ME EQUIPMENT 	Precautions for use are included in user manual.	Р
	 Written in a language which is acceptable to the intended operator 	Provided with English	Р
	 easily understood diagrams, illustrations or photographs of assembled and connected HEARING INSTRUMENT 	Refer to user manual	Р
	- restrictions on locations and environment	Refer to user manual	Р
	 advice for assistance and to report unexpected operations and events 	Refer to user manual	Р
201.7.9.2.2	Instructions for use include all warning and safety notices	Refer to user manual chapter "International Use"	Р
	Specific warnings stated in the instructions for use, where relevant	See table 201.7.9.2.2	Р
201.7.9.2.4	Instruction for use contains warning to remove battery if leakage would result in an unacceptable risk.	No such unacceptable risk	N/A
201.7.9.2.5	Instruction for use includes a description of the HEARING INSTRUMENT and how it operates	See user manual Chapter "Safety Information"	Р
	Instruction for use includes a warning only to connect to equipment that conforms with international safety standards, if externally connected.	No externally connected.	N/A
201.7.9.2.9	The instructions for use contain all information necessary to operate the HEARING INSTRUMENT in accordance with its specification. Explanation included of the functions of controls, battery compartment and signals as well as connection and disconnection of detachable parts and ACCESSORIES.	Refer to user manual	Р
	Meanings of figures, symbols, warning statements, abbreviations and indicator lights described in instructions for use	Refer to user manual chapter "NORMALIZED SYMBOLS"	Р
201.7.9.2.1 2	Information provided about cleaning and maintenance of HEARING INSTRUMENT and where applicable:	Refer to user manual	Р

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	- washing the ear mould	Refer to user manual chapter "Hearing Aid Care"	Р
	- replacing tubing, filters and other parts	Refer to user manual chapter "Hearing Aid Care"	Р
	- storing the HEARING INSTRUMENT	Refer to user manual	Р
	- maintenance for rechargeable batteries	Refer to user manual	Р
	- information on repair services	Refer to user manual chapter "Hearing Aid Care"	Р
201.7.9.2.1	A list of ACCESSORIES, detachable parts, and materials for use with ME EQUIPMENT provided	Refer to user manual	Р
	If the HEARING INSTRUMENT is rechargeable, the instructions for use sufficiently specify the recharger equipment to ensure compliance with the requirements of this standard.	Non-rechargeable battery	N/A
201.7.9.2.1	Instructions for use contain information about dispose of batteries, the HEARING INSTRUMENT, any part that may provide a risk	Refer to user manual chapter "Dispose"	Р
201.7.9.2.1	Instructions for use include information specified in 201.7.9.3 or identify where it can be found (e.g. in a service manual)	Contained in user manual	Р
201.7.9.3	Technical description		Р
201.7.9.3.1	The technical description provides all data that is essential for safe operation, transport and storage.	See user manual. chapter "Safety Information"	Р
	A technical data sheet shall be available for the professional OPERATOR fitting the HEARING INSTRUMENT. The data sheet shall include:	Refer to user manual	Р
	- brief description of the HEARING INSTRUMENTS significant physical and performance characteristics	Refer to user manual	Р
	- technical characteristics according to IEC 60118-0	Refer to user manual	Р
	- unique version identifier such as date of issue	Apr. 29, 2017	Р
	- warning statement addressing hazards from unauthorized modification	Refer to user manual chapter "International Use"	Р

201.8	PROTECTION AGAINST ELECTRICAL HAZARDS	FROM ME EQUIPMENT	Р
201.8.1	A separate power source, if used, is in compliance with the relevant standards IEC 60601-1, IEC 60065, IEC 60950-1 or other applicable safety standards	Internal powered	N/A
	Relevant tests are performed with the HEARING INSTRUMENT connected.		N/A
	The specification is described in the ACCOMPANYING DOCUMENTS		N/A
201.8.2.1	Separate power source is in compliance with the relevant standard IEC 60601-1, IEC 60065, IEC 60950 or other applicable safety standards	Internal powered	N/A

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Clause	Requirement + Test		Result - Remark	Verdict

	Relevant tests are performed with the HEARING INSTRUMENT connected to the separate power supply.		N/A
	Specification of separate power supply in ACCOMPANYING DOCUMENTS		N/A
201.8.3	A HEARING INSTRUMENT is classified as a Type B APPLIED PART.		_
201.8.4.2	ACCESSIBLE PARTS including APPLIED PARTS		Р
	a) Where applicable, Currents from, to, or between PATIENT CONNECTIONS did not exceed limits for PATIENT LEAKAGE CURRENT	No exceed limits	Р
	b) LEAKAGE CURRENTS CONNECTED TO ELECTRICAL EQUIPMENT IN COMPLIANCE WITH STANDARDS OTHER THAN IEC 60601	Internal powered	N/A
201.8.5	Separation of parts	See 201.8.1	Р
201.8.7.1	a) Electrical isolation providing protection against electric shock limits currents to values in 201.8.7.3:		Р
	b) Specified values of EARTH LEAKAGE, TOUCH, PATIENT LEAKAGE, and PATIENT AUXILIARY CURRENTS applied in combination of conditions in appended Table 8.7	No leakage	Р
201.8.7.2	Subclause 8.7.2 of the general standard does not apply.		_
201.8.7.3	Allowable Values	100 uA	Р
201.8.7.4	LEAKAGE and PATIENT AUXILIARY CURRENTS measurements at operating temperatures	Refer to Appended table 8.7in IEC/EN 60601-1 Report	Р
201.8.7.4.6	This Subclause is covered by the requirements of 201.8.7.4.7	Refer to IEC/EN 60601-1 Report	_
201.8.8	Test according to 8.7 is done after drop test	Refer to IEC/EN 60601-1 Report	Р
201.8.9	Subclause 8.9 of the general standard does not apply.	Refer to IEC/EN 60601-1 Report	_
201.8.10	Subclause 8.10 of the general standard does not apply.	Refer to IEC/EN 60601-1 Report	_
201.8.11	Subclause 8.11 of the general standard does not apply.	Refer to IEC/EN 60601-1 Report	_

201.9	PROTECTION AGAINST MECHANICAL HAZARDS OF ME EQUIPMENT AND ME SYSTEMS		Ρ
201.9.1	Considerable hazards are covered by subclause 201.9.3, 201.9.6, 201.9.101, 201.9.102	See below	1
201.9.2	Subclause 9.2 of the general standard does not apply.		-
201.9.3	Rough surfaces, sharp corners and edges of ME EQUIPMENT that could result in an unacceptable RISK avoided or covered. Attention is paid to moulded edges, battery doors and connector flanges:	With smooth surface, corner	Р

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201.9.4	Subclause 9.4 of the general standard does not apply.	Refer to IEC/EN 60601-1 Report	_
201.9.5	Subclause 9.5 of the general standard does not apply.	Refer to IEC/EN 60601-1 Report	_
201.9.6	Special warning notice if a maximum output sound pressure level above 132dB is possible		N/A
	No exposition of a sound pressure level above 132dB in NORMAL and SINGLE FAULT condition is possible due to the design.	Refer to user manual	Р
201.9.7	Subclause 9.7 of the general standard does not apply.		
201.9.8	Subclause 9.8 of the general standard does not apply.		
201.9.101	Cables and lanyards of HEARING INSTRUMENTS or ACCESSORIES worn by the PATIENT around the neck do not pose a RISK of injury or strangulation.	No such cables used	N/A
	The disconnection force is not greater than 40N.		N/A
201.9.102	The HEARING INSTRUMENT is safely retrievable by the PATIENT otherwise a method to detect and retrieve is provided in the instructions for use.		Р
	Design ensures that parts do not come loose.	Not loose	Р
	Resistant force of at least 3N is given (N)	No less 3N	Р

201.10	PROTECTION AGAINST UNWANTED AND EXCESSIVE RADIATION HAZARDS		
	Clause 10 of the general standard does not apply, except for subclause 10.4.	No X-Radiation produced in ME equipmen	N/A

201.11	PROTECTION AGAINST EXCESSIVE TEMPERAT HAZARDS	URES AND OTHER	
201.11.1.1	Maximum temperature during NORMAL USE	Refer to Appended table in IEC/EN60601-1 report	Р
201.11.1.2	The requirements of this subclause are included in 201.11.1.1.		_
201.11.1.3	Measurements not made when engineering judgment and rationale by MANUFACTURER indicated temperature limits could not exceed, as documented in RISK MANAGEMENT FILE	Test conducted	N/A
	Test corner not used where engineering judgment and rationale by MANUFACTURER indicated test corner will not impact measurements, as documented in RISK MANAGEMENT FILE	Test corner not used	Р
	Probability of occurrence and duration of contact for parts likely to be touched and for APPLIED PARTS documented in RISK MANAGEMENT FILE		Р
201.11.2	Subclause 11.2 of the general standard does not apply.		_

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201.11.3	Subclause 11.3 of the general standard does not apply.		-
201.11.6.2	Subclause 11.6.2 of the general standard does not apply.		
201.11.6. 3	Subclause 11.6.3 of the general standard does not apply.		_
201.11.6.4	Subclause 11.6.4 of the general standard does not apply.		_
201.11.6.5	If risk assessment requires protection against ingress of water or particular matter, IP class is not less than the level required for safe operation according to IEC 60529	IP48	Р
201.11.6.6	- Capability of withstanding cleaning or disinfection		Р
	- Effects of multiple cleaning during EXPECTED SERVICE LIFE are evaluated and no unacceptable risk occurs	Refer to IEC/EN 60601-1 report	Р
201.11.6.7	Subclause 11.6.7 of the general standard does not apply.	Refer to IEC/EN 60601-1 report	_

201.12	ACCURACY OF CONTROLS AND INSTRUMENTS AND PROTECTION AGAINST HAZARDOUS OUTPUTS		Р
201.12.2	PRIMARY OPERATING FUNCTIONS OF HEARING INSTRUMENTS and SYSTEMS are identified during USABILITY ENGINEERING.	Evaluated by manufacture	N/E
201.12.4.2	Subclause 12.4.2 of the general standard does not apply.		_
201.12.4.4	Output power does not increase if the control is disconnected or defective.		Р
	Software controlled maximum power settings do not exceed the selected value due to corrupt data transfer		N/A
201.12.4.5	Subclause 12.4.5 of the general standard does not apply.		_

201.13	HAZARDOUS SITUATIONS AND FAULT CONDITIONS		Р
201.13.1.2	Following HAZARDOUS SITUATIONS SHALL not occur:		Р
	– unintentional exposure to a SPL above 132 dB		Р
	 Emission of flames, molten metal, poisonous or ignitable substance in hazardous quantities did not occur 		Р
	 Deformation of ENCLOSURE impairing compliance with 201.15.3.1 did not occur 		Р
	- temperatures of HEARING INSTRUMENTS that are likely to be touched, exceeding 50 °C when	Not exceed 50 °C	N/A
	measured and adjusted as described in 201.11.1.3 of the general standard: (°C)		

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	 exceeding the allowable values for "other components and materials" identified in Table 22 of the general standard times 1,5 minus 12,5 °C: 		N/A
	Supply circuit limits the power in SINGLE FAULT CONDITION to less than 15W / 900J	Internal batteries 1.5Vd.c.,	N/A
	Power (W)	0.52W	Р
	Energy (J)		N/A
	or		N/A
	Secondary circuits meet all of the following conditions:		N/A
	- mounted on material with flammability classification of FV1 or better		N/A
	- energized at a voltage of 60 V d.c. or 42.2 V peak or less in normal and SINGLE FAULT CONDITION		N/A
	- limited to 100 VA or 6 000 J in SINGLE FAULT CONDITION		N/A
	Wire insulation of type PVC, TFE, PTFE, FEP, polychloropene or polybromide employed		N/A
	or		N/A
	Component with HIGH INTEGRITY CHARACTERISTIC used		N/A
	or		N/A
	Completely contained within a fire enclosure		N/A
201.13. 2	SINGLE FAULT CONDITIONS		Р
201.13.2.1	During application of SINGLE FAULT CONDITIONS in 13.2.2 -13.2.13, inclusive, NORMAL CONDITIONS in 8.1 a) applied in least favourable combination:	No hazard	Р
201.13.2.2	Electrical SINGLE FAULT CONDITION	See appended Table 13.2 in IEC/EN60601-1 report	Р
201.13.2.3	Subclause 13.2.3- 13.2.11 of the general standard		_
- 201.13.2.1 1	does not apply.		
201.13.2.1	Failure of parts that might result in a MECHANICAL HAZARD	No such MECHANICAL HAZARD	N/A
201.13.2.1 3	Subclause 13.2.13 of the general standard does not apply.		_

2	201.14	PROGRAMMABLE ELECTRICAL MEDICAL SYSTEMS (PEMS)		N/A
2	201.14.1 Embedded and fitting software conforms to IEC No such PEMS used 62304		N/A	
		The software classification is justified by the RISK MANAGEMENT FILE		N/A

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	Documents produced from application of Clause 14 are maintained and form a part of RISK MANAGEMENT FILE in addition to RECORDS and documents required by ISO 14971	N/A
	Documents required by Clause 14 reviewed, approved, issued and changed in accordance with a formal document control PROCEDURE	N/A
201.14.3	RISK MANAGEMENT plan required by 3.5 of ISO 14971 includes reference to PEMS VALIDATION plan	N/A
201.14.4	Subclause 14.4 of the general standard does not apply.	1
201.14.5	Subclause 14.5 of the general standard does not apply.	1
201.14.6	RISK MANAGEMENT PROCESS	N/A
201.14.6.1	MANUFACTURER considered HAZARDS associated with software and hardware aspects of PEMS including NETWORK/DATA COUPLING, components of third-party origin, legacy subsystems when compiling list of known or foreseeable HAZARDS	N/A
	In addition to the material in ISO 14971, Annex D, list of possible sources for HAZARDS associated with PEMS includes specified causes	N/A
	failure of NETWORK/DATA COUPLING to provide characteristics necessary for PEMS to achieve its BASIC SAFETY OR ESSENTIAL PERFORMANCE	N/A
	 undesired feedback [physical and data] (such as unsolicited/ out of range/ inconsistent input or input from electromagnetic interference) 	N/A
	– unavailable data	N/A
	- lack of integrity of data	N/A
	- incorrect data	N/A
	- incorrect timing of data	N/A
	- unintended interactions within & among PESS	N/A
	- unknown aspects or quality of third-party software	N/A
	- unknown aspects or quality of third-party PESS	N/A
	 lack of data security, particularly vulnerability to tampering, unintended interaction with other programs and viruses 	N/A
201.14.6.2	Subclause 14.6.2 of the general standard does not apply.	
201.14.7	Subclause 14.7 of the general standard does not apply.	
201.14.8	Subclause 14.8 of the general standard does not apply.	_
201.14.9	Subclause 14.9 of the general standard does not apply.	

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Clause	Requirement + Test		Result - Remark	Verdict

201.14.10	Subclause 14.10 of the general standard does not apply.	
201.14.11	A PEMS VALIDATION plan containing validation of BASIC SAFETY & ESSENTIAL PERFORMANCE and requiring checks for unintended functioning of PEMS to perform and document PEMS VALIDATION	N/A
	The person with overall responsibility for PEMS VALIDATION is independent of design team, and no member of a design team is responsible for PEMS VALIDATION of their own design	N/A
	All professional relationships of members of PEMS VALIDATION team with members of design team documented in RISK MANAGEMENT FILE providing methods & results of PEMS VALIDATION	N/A
201.14.12	Subclause 14.12 of the general standard does not apply.	_
201.14.13	Subclause 14.13 of the general standard does not apply.	_

201.15	CONSTRUCTION OF ME EQUIPMENT		Р
201.15.1	Subclause 15.1 of the general standard does not apply.		
201.15.2	A period is accessible for inspection, replacement and maintenance.		Р
201.15.3	Mechanical strength		Р
201.15.3.1	Mechanical stress like pushing, impact, dropping and rough handling does not lead to an unacceptable RISK.	Dropping not result in an unacceptable risk	Р
	For Hearing instrument-related accessories IEC 60065, IEC 60950-1 or other applicable IEC safety standards apply.		N/A
	Battery doors do require a tool or a force of at least 10N to remove the battery, if intended for use by infant under 36 months.		N/A
	Detachable parts are removable without a tool or with a force of at less than 10N, if intended for use by infant under 36 months.		N/A
201.15.3.2	Subclause 15.3.2 of the general standard does not apply.	Refer to IEC 60601-1 report	_
201.15.3.3	Subclause 15.3.3 of the general standard does not apply.	Refer to IEC 60601-1 report	
201.15.3.4	A free fall does not result in an unacceptable risk		Р
201.15.3.5	Subclause 15.3.5 of the general standard does not apply.	Refer to IEC 60601-1 report	_
201.15.3.6	Subclause 15.3.6 of the general standard does not apply.	Refer to IEC 60601-1 report	_

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Clause	Requirement + Test		Result - Remark	Verdict

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201.15.3.7	INTENDED USE, EXPECTED SERVICE LIFE and transport / storage is taken into account by selecting the materials		Р
	During the expected service life, corrosion, ageing, mechanical wear, degradation of biological materials due to moisture, sweat, humidity, hair care products or toiletries does not reduce the mechanical properties in a way that results in an unacceptable RISK.		Р
201.15.4	ME EQUIPMENT components and general assembly	1	Р
201.15.4.1	Subclause 15.4.1 of the general standard does not apply.		_
201.15.4.2	Subclause 15.4.2 of the general standard does not apply.		_
201.15.4.3	Batteries		Р
201.15.4.3. 1	Battery compartments prevent accidental short circuiting of battery when this could result in a HAZARDOUS SITUATION as verified by examination of design and RISK MANAGEMENT FILE	Refer to IEC 60601-1 report 15.4.3.1 RM RESULTS TABLE: Housing	Р
15.4.3.2	Means provided to prevent incorrect connection of polarity when a HAZARDOUS SITUATION may develop by incorrect connection or replacement of a battery	Can't load the battery when it's backwards	N/A
15.4.3.3	Overcharging of battery prevented by virtue of design when it could result in an unacceptable RISK as verified by review of design		N/A
201.15.4.3. 4	Subclause 15.4.3.4 of the general standard does not apply.	Refer to IEC 60601-1 report	_
201.15.4.3. 5	Subclause 15.4.3.5 of the general standard does not apply.	Refer to IEC 60601-1 report	_
201.15.4.3. 101	Batteries comply with relevant international standards		Р
	Wrong inserted batteries do not cause overheating above 50°C.	Can't load the battery when it's backwards	N/A
201.15.4.4	HEARING INSTRUMENTS do not require any indicators for the PATIENT	No indicators used	Р
201.15.4.5	Subclause 15.4.5 of the general standard does not apply.		_
201.15.4.6	Subclause 15.4.6 of the general standard does not apply.		_
201.15.4.7	Subclause 15.4.7 of the general standard does not apply.		_
201.15.4.8	Subclause 15.4.8 of the general standard does not apply.		_
201.15.4.9	Subclause 15.4.9 of the general standard does not apply.		_
201.15.5	Subclause 15.5 of the general standard does not apply.		_
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Clause	Requirement + Test		Result - Remark	Verdict

201.16	ME SYSTEMS		
	Voltage to earth or ACCESSIBLE PARTS are within the defined limits in NORMAL and SINGLE FAULT CONDITION	Just ME Equipment	N/A
	Voltage and energy limits also apply to internal parts that can be touched through an opening in the enclosure.		N/A
	Voltage and energy limits also apply to internal parts that can be touched by a metal rod with a diameter of 4mm through an opening in the enclosure.		N/A

201.17	ELECTROMAGNETIC COMPATIBILITY OF ME EQUIPMENT AND ME SYSTEMS		N/E
	Risks are addressed associated with the electromagnetic environment	Not evaluated in this report	N/E
	Electromagnetic compatibility is tested according to IEC 60118-13 or to relevant international radio standards if applicable.		N/E

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201.7.9.2.2 TABLE: Warning and safety notices			Р
Specific warnings / statements		Document Ref./chapter in IFU	Verdict
Warning to keep small parts out of children's reach		Refer to Clause "International Use" in user manual	Р
Warning not to use in explosive or oxygen-enriched atmospheres		Refer to Clause "International Use" in user manual	Р
Warning that it must only be used by intended person		Refer to Clause "International Use" in user manual	Р
Warning to check for electronic or wireless restrictions		Refer to Clause "International Use" in user manual	Р
Statement about the special needs of particular Patient groups		Refer to Clause "International Use" in user manual	Р
Warning about common conditions that could damage the device		Refer to Clause "Troubleshooting Guide" in user manual	Р
Warnings that MANAGEMENT F	result from the RISK FILE	Refer to Clause "International Use" in user manual	Р
Permissible er transport and	nvironmental conditions of storage	Refer to Clause "Safety Information" in user manual	Р
	/safety contains: nature of consequences; precautions	Refer to Clause "Troubleshooting Guide" in user manual	Р
Supplementary information:			

- End of Report