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JAPANESE INDUSTRIAL STANDARD

General Rules for Safety Testing Procedures of Medical Electrical Equipment

JIS T 1002—1983

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General Rules for Safety Testing
Procedures of Medical Electrical Equipment

T 1002-1983

1. Scope

This Japanese Industrial Standard specifies the general items for electrical and mechanical safety testing procedures of medical electric equipment used in patient environment and of that used by the method influencing directly the safety of persons in patient environment. In the case where difference between the particular equipment standard and this standard exists, the particular equipment standard shall be preferred.

2. Definitions

For the purposes of this standard definitions specified in JIS T 1001 apply, and in addition the following applies, provided that voltage value and current value, unless otherwise specified, mean the effective values of voltage and current of alternating current, direct current, or composite alternating and direct currents.

temperature sensing element The heat sensing part of thermometer used for temperature test and composed of thermocouple, platinum resistor, thermistor, respective internal conductors and external conductors.

3. Tests

3.1 Classification of Tests The tests shall be classified into three classes of type test, total test and sampling test.

3.2 Test Items The test items shall be as follows:

(1) Electrical Safety

- (a) Power source input
- (b) Withstand voltage
- (c) Leakage current
- (d) Resistance of protective earth circuit
- (e) Temperature