

Test the Withstand Voltage of Medical Electrical Equipment

Generate the applied voltage for the withstand voltage test automatically using the ramp-time function.

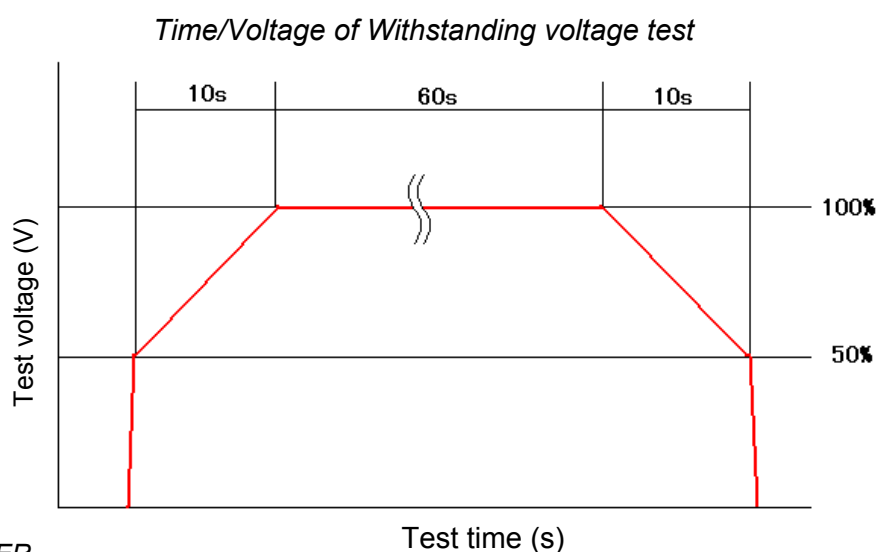
■ Highlights

- A ramp-time function can be used for the withstand voltage test of medical electrical equipment in accordance with the procedure in which less than half the voltage of the specified value is applied and then the voltage is increased gradually for 10 seconds to the specified value, maintained for 1 minute, and then reduced to less than half of the specified value for 10 seconds.
- A contact check function to detect a broken test lead wire or contact failure improves test reliability.
- A built-in stabilized power supply prevents changes in the test voltage caused by power supply voltage changes and improves the test reliability.

Medical Electrical Equipment



3174 AC AUTOMATIC
INSULATION/WITHSTANDING HiTESTER



● Example of setting the ramp-up and ramp-down of the 3174 AC Automatic Insulation/Withstanding HiTester.

- The time during which the output voltage increases to the initial voltage is “0.3 s.”
- The initial voltage is a “value equivalent to 50% of the specified voltage to be tested.”
- The ramp-up time is “10 s.”
- The test voltage time is “60 s.”
- The test voltage is the “specified voltage to be tested.”
- The ramp-down time is “10 s.”
- The ramp-down end voltage is a “value equivalent to 50% of the specified voltage to be tested.”

Products used

- AC AUTOMATIC INSULATION/WITHSTANDING HiTESTER 3174
- AC AUTOMATIC INSULATION/WITHSTANDING HiTESTER 3174-01 (GP-IB interface included)

※To perform a contact check, the 9615 Replacement HV Test Lead Set is required.