

Withstand Volatage & Insulation resistance Tester 8505



Improve the efficiency and reliability of the test

Adopt new design PWM power and realize the stable test voltage

With 8505, it is possible for withstand voltage test without applying unnecessary stress to the device under test. It is a high speed response type with the duration of test from 0.2s for withstand volatage test and from 0.2s for insulation resistance test.

Insulation resistance test is available with a function that automatically discharges the electric charges to the device under test after end of the test.

- Available with Rise time. Fall time setting function of withstand voltage test voltage
- Continuous operation of maximum 16 patterns of withstand voltage test is possible (During individual withstand voltage test)
- Withstand volatage test voltage AC5kV
Insulation resistance test voltage
from DC25V to 1000V(6 ranges)
- A useful utility software for data storage is provided
- With remote I/O, RS-232C and the interface of USB
- Safety oriented design such as interlock function, key lock function etc.
- Withstand voltage test
 - Output voltage : from AC 0V to 5kV (100VA)
 - Upper limit current leakage setting :
from 0.01 to 20.00mA
- Insulation resistance test
 - Output voltage : DC25/50/100/250/500/1,000V
 - Measurement range : from 0 to 9990MΩ
- Judgment method: Upper and lower limit comparator
- Output: status signal, RS-232C、USB

Standard specifications

Withstand voltage test section

- **Test voltage**
 - Output volt : AC0.2~5.00kV
 - Output capacity : 100VA(5kV, 20mA)
 - Voltage application method : **Zero-cross-on switch**
 - Applied voltage setting : **Digital setting(Resolution 0.01kV)**
- **Voltage measurement**
 - Range : 0.00 to 6.00kV
(Resolution 0.01kV)
Accuracy $\pm(1.5\%$ of rdg.)
- **Current measurement**
 - Range : 0.00 to 20.00mA
(Resolution 0.01mA)
Accuracy $\pm(2\%$ of rdg. +0.05mA)
- **Test result judgment**
 - Method : Upper limit analog comparator
Upper limit and lower limit digital comparator
 - Setting : Upper limit 0.01 to 20.00mA
Lower limit 0.01 to 19.99mA / OFF
(Resolution 0.01mA)
 - Conditions : Upper limit value > Current leak > Lower limit value ...GOOD
Upper limit set value \leq Current leakHIGH NG
Lower limit set value \geq Current leakLOW NG
 - Accuracy : For setting value $\pm(2\%$ of rdg. +0.05mA)
- **Test time**
 - Range : 0.1 to 999s (With timer off function)
 - Display : When timer ON : Remaining time display
When timer OFF : Elapsed time display
- **Rise time and Fall time setting**
 - Function : Set the duration of rise/fall of the test volt output
 - Range : 0.1 to 999s (With fall time OFF function)

Insulation resistance test section

- **Test voltage**
 - Rated voltage : DC25/ 50/ 100/ 250/ 500/ 1,000V
 - Open volt : Within 130% of the rated voltage
 - Rated current : 1mA
 - Short-circuit current : Below 15mA
 - Display : 0 to 9990M Ω
- **Test result judgment**
 - Method : Upper and lower limit digital comparator
 - Range : 0.001 to 9990M Ω
 - Conditions : Upper limit value > Display value ...GOOD
Display value > Lower limit value ...GOOD
Upper limit value \leq Display value ...HIGH NG
Lower limit value \geq Display value ...LOW NG
- **Test time**
 - Setting : 0.2 to 99.9s (With timer OFF function)
 - Resolution : 0.1s
 - Time display : 0.0 to 99.9
 - Mask time : 0.1 to 99.9s (Mask time < Test time)

Interface

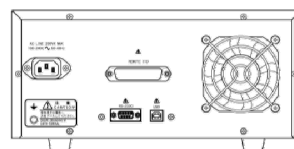
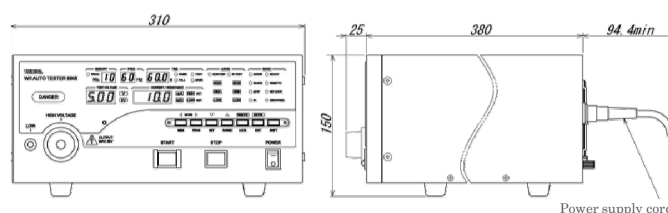
- Remote OUT connector
- RS-232C interface
- USB2.0 interface

General specifications

- Power : AC100~240V 50/60Hz
- Op. temp : 0~40°C 20~80%RH (Non-condensing)
- Storage °C : -20~70°C
- Ext. Size : 310(W)×150(H)×380(D) Without protrusion
- Weight : About 10kg
- Accessories :

High voltage cable	2m	1set
Earthing wire	3m	1pc
Power cord	2.5m	1pc
Remote OUT plug		1pc
Instruction manual		1no.

Dimensions



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