

Compactness, Light Weight
Achievement of Cost Performance and Rich function

Withstand Voltage and Insulation Tester Model 8525



Withstand Voltage Tester

AC5kV
500VA

MΩ Meter

DC500V
DC1000V

20.00MΩ
to 2000MΩ

I/O Control

External
Output

Status
Output

Data Output

RS-232C

Withstand voltage test
V monitoring Output

Continuous or Individual Withstand Voltage and Insulation Test



■ Outline

The model 8525 is an automatic continuous tester of withstand voltage and insulation. High reliable test enabling proper test result management and analysis can be conducted with RS-232C output equipped as standard specification in tester.

Typical Application:

Motor and Generator, spark plugs, Capacitors, connectors etc. aviation components, transformers, wire and cables, coils and chokes, switches and relays.

■ Characteristics

- Very good corresponding to various tests based on the safety standards of electrical appliance.
- Safety-oriented design : Interlock etc.
- Memory function having capable of storing 9 types.
- Available with status output which displays test conditions and test results.
- Large LED to display test conditions and measured values
- RS-232C for obtaining test condition and results

Specification

- Withstand voltage test
 - Output voltage : AC 0 to 2.5kV/0 to 5kV (500VA)
 - Setting of upper limit leakage current : 0.1 to 110.0mA
 - Judgment method : Upper and lower limit comparator
- Insulation resistance test
 - Test voltage : DC 500V/1000V
 - Measurement Range : 0.1 to 2000M Ω
 - Judgment method : Upper and lower comparator
- Output : Status signal, RS-232C, Voltage monitor

■ Option

- Voltages of Insulation tester are available on DC 25V/50V/100V/ and 250V too.
- Power supply voltage: 115V/ 200V/ 220V/ 240V

Test Result Output by ON/OFF Signal or RS-232C

Back Panel

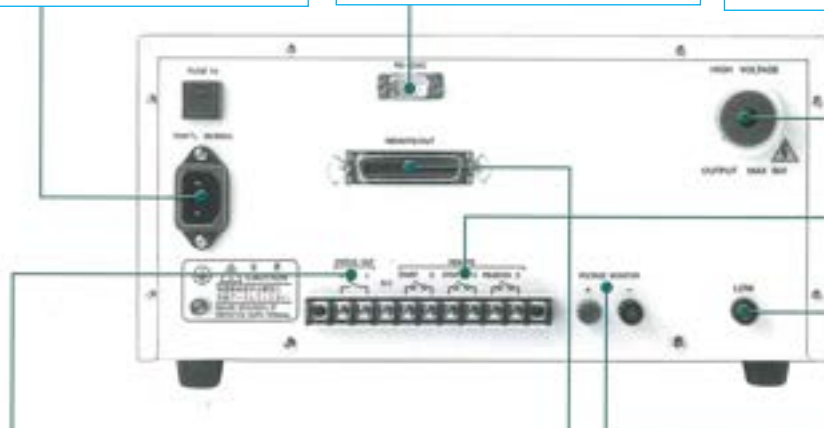
Power supply connector:

AC 100V, AC 115V, 200V, 220V, 240V

RS-232C Output: Output of test condition setting and test result.

Test Voltage Output Terminal

Common to front panel output terminal.



Remote I/O terminal, External control terminal for start, stop and rear-on.

Monitor Output Voltage (DC 0 to 5V) of Withstand Voltage Test.

Status Output

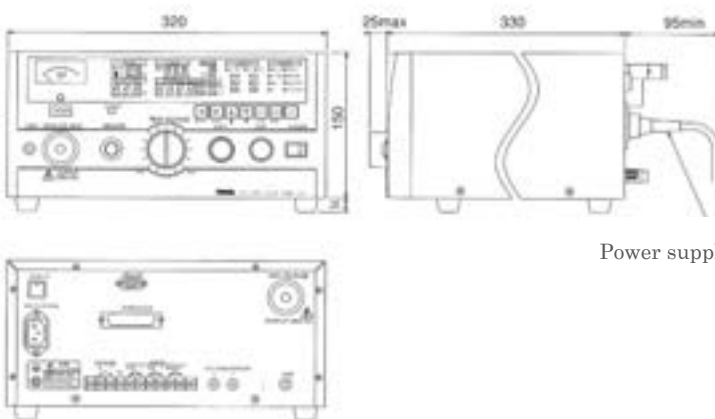
Output Name	Output cond.
TEST/H.V.OUT	Test voltage output
TEST	Under test
GOOD	Good judgement
NG	Bad judgement
POWER ON	Power On
READY	During Ready
REMOTE	Remote Operation

Pin No. 1 to 36 are available for Remote I/O connector.
(See the user's manual for details)

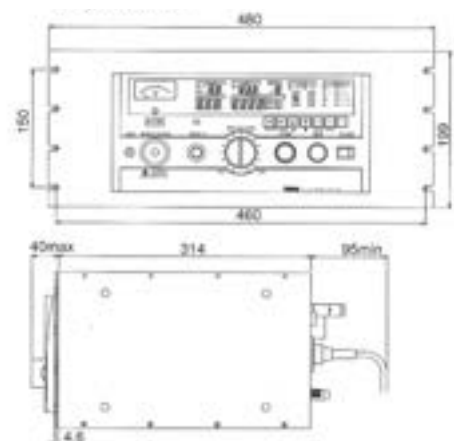
Depending on selection of output, relay contact output is available (Multiple selection is possible (OR Cond.).

Outline Drawing

Rack installation panel : 5871-03-014 (Option)



Power supply cord



Unit: mm

■ Basic Specifications

Model & Output	8525: RS-232C and 0 to 5V DC
Measurement voltage	AC 0 to 2.5KV, 0 to 5.0KV, 2 ranges
Accuracy of voltage	±1.5 % of F.S.
Measurement current	From 0.01mA to 199.9mA, 2 ranges
Accuracy of current	± (5 % + 20μA) for high setting value
Setting time	0.5 to 999 s (with timer OFF function)
Measuring insulation	DC500V and 1000V, 2 ranges (Available 25/50/100/250V)
Accuracy of insulation	±2 % of rdg. +3digit at 0 to 200.0 M-ohm ±5 % of rdg. +3digit at 180 to 2000 M-ohm
Setting time	0.5 to 999 s (with timer OFF function, Min.mask time +0.2s)
Mask time	0.3 to 50.0s (Max.test time -0.2s)
Accuracy of mask time	±20ms up to 99.9s, ±200ms up to 999s
Power supply	90 to 110V AC, 50/60HZ (Available 115/200/220/240V)
Weight	Approx. 15 kg (20.5kg for optional power supply)
Dimensions	320 (W) x 150 (H) x 330 (D) mm
Accessories	2m High-voltage cable(1), 3m Earth wire(1), 2.5m Power cord(1), Remote I/O plug(1), Fuse(1)



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