TSURUGA

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

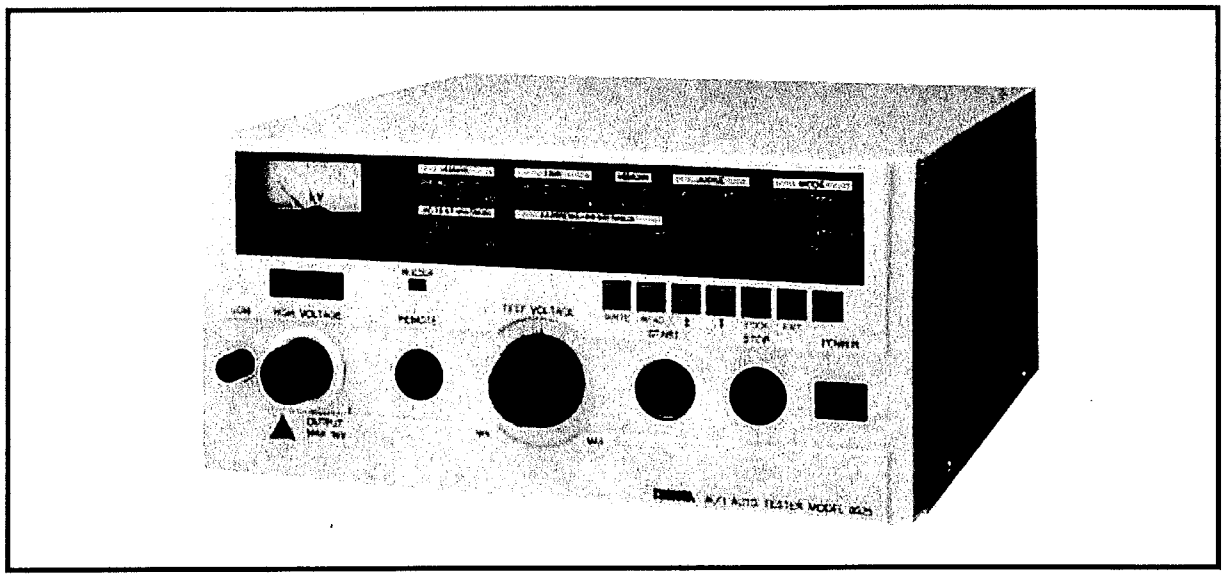
Status Output

■ 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 2000MΩ

・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

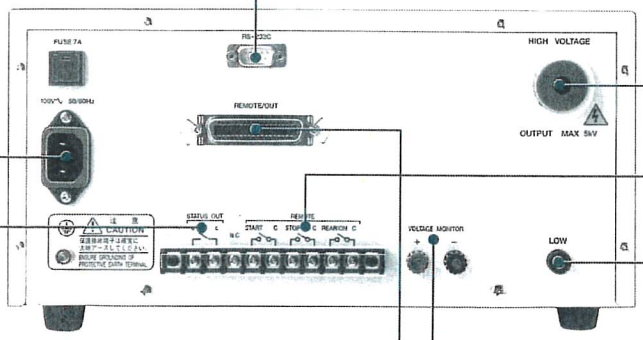
Test Result Output by ON/OFF Signal or RS-232C

Back Panel

Power supply connector:
AC 100V, AC 115V, 200V, 220V, 240V

RC-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.

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

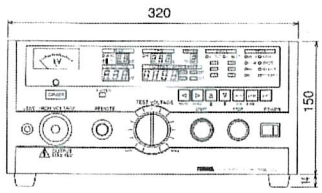
■Status Output

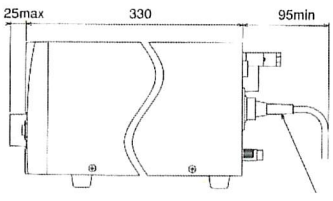
Output Name	Output cond.
TEST/H.V.OUT	Test voltage output
TEST	Under test
GOOD	Good judgement
NG	Bad judgement
POWER ON	Power On
READY	During Ready
REMOTE	Remote Operation

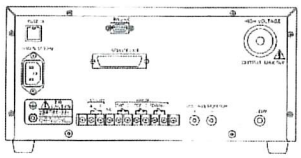
Depending on selection of output, relay contact output is available (Multiple selection is possible (OR Cond.)

Outline Drawing

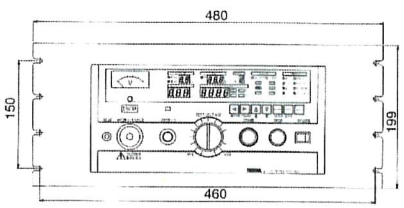
Rack installation panel : 5871-03-014 (Option)

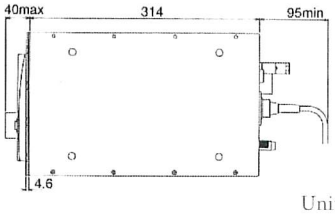






Power supply cord





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)

TSURUGA TSURUGA ELECTRIC CORPORATION

TEXMAC Inc.
3001 Stafford Dr. Charlotte, NC 28208
Email: egaylor@texmacusa.com
Telephone: 704-393-6539