

Withstand Voltage Tester 8529A



The model 8529 performs the withstand voltage test of AC 10 kV. Output voltage AC 10 kV and output capacity 500 VA (10 kV/50mA) enables the withstand voltage test of electric appliances and electronic parts based on safety standard. Interlock function, Key lock function and Memory of test conditions secure and pursue safety and easy operation.

RS-232C interface is standard equipped, so management and analysis of test results can be achieved. Test with high reliability can be performed.

The external control I/O interface and output terminals which output test conditions and judgment results is also standard equipped, and easily embedded in automatic test system.

◆ Useful and variety of functions for Withstand voltage test

- Standard mode Tests are performed based on user's setting conditions and judged.
- Double action mode Pressing START within 0.5 sec just after pressing STOP can start the actual test.
- Momentary start mode Tests are performed during inputting START signal.
- Fail mode RESET function is only controlled from STOP switch of main body at NG judgment or protection.
- GOOD hold mode GO judgment is kept outputting till stop signal is input. Restart is possible by inputting start signal.

Standard specification

● Test voltage

Output voltage : AC 0 to 5 kV / 0 to 10 kV 2 range switchable
 Output capacity : 500 VA (10 kV, 50 mA)
 Voltage output method : Zero cross switch
 Setting of applied voltage: Manual setting with Voltage-slider

● Voltage measurement

Analog : Scale 0 to 10 kV
 Accuracy $\pm 5\%$ of F.S
 Digital : Scale 0.00 to 12.0 kV Green LED
 Accuracy $\pm 1.5\%$ of F.S (F.S is 5 kV or 10 kV)

● Current measurement

Measurement range : 0.01 to 199.9 mA 2 range switchable
 Digital display with 3 1/2 digits Green LED
 Accuracy $\pm (5\% + 20\mu\text{A})$ of upper limit set value

● Judgment of test result

Judgment method Analog comparator for upper (for short-circuit detection)
 Digital comparator for upper and lower limit

● Test time

Setting range : 0.5 to 999 s (with timer off function)

Data output

● Voltage monitor output (rear terminal)

DC 0 to 5 V is output linearly in response to test voltage AC 0 to 10 kV.

● RS-232C interface (D sub 9pins on rear panel)

Data of test conditions and test results are output via RS-232C signals.

General specifications

Power supply : AC 100 V 50/60 Hz
 (models for AC 115 V, 200 V, 220 V & 240 V are available.)

Power consump : Rated load approx. 650 VA no load approx. 16 VA

Outer size : 320 (W) × 180 (H) × 430 (D)

Weight : approx. 18 kg
 (+ 5.5 kg for optional power supply models)

Accessory : High voltage cable 2m 1 pc

Earth cable 3 m 1 pc

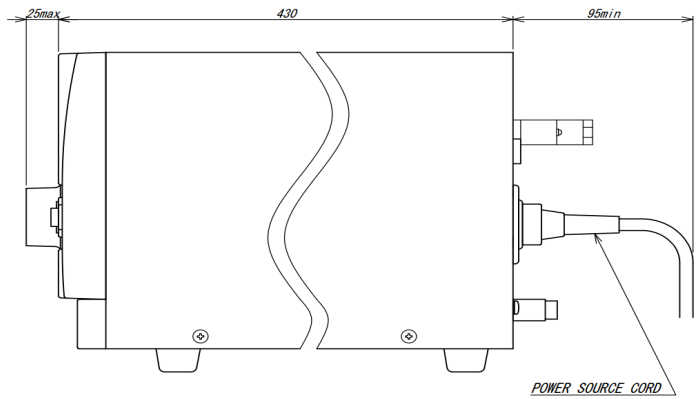
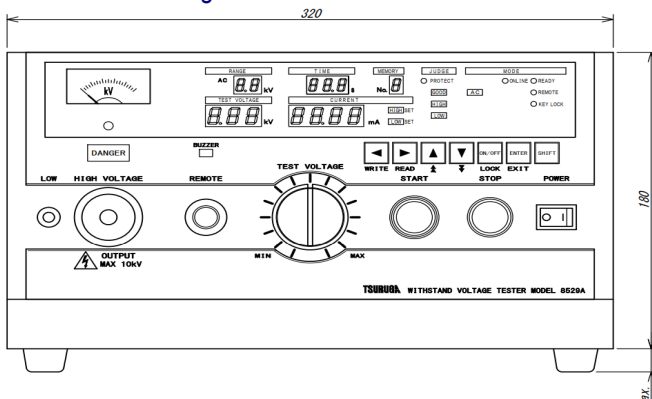
Power cord 2.5 m 1 pc

REMOTE I/O plug 1 pc

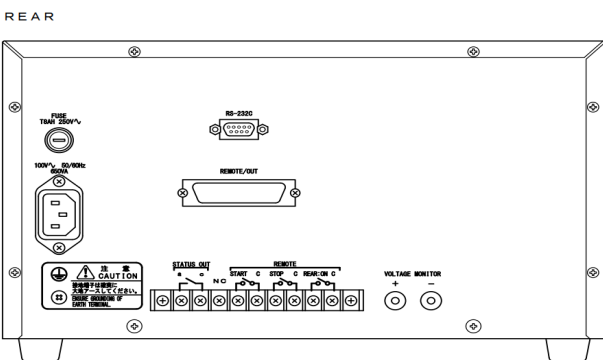
Fuse 1 pc

Operation manual 1 pc

Outline drawing



Unit: mm



Accessory (Option)

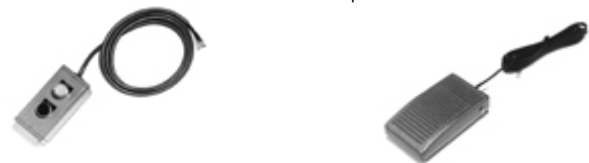
● Remote control box

5858-07

START/STOP can be operated externally, when these units is connected to remote connector on front panel.

● Foot switch

5858-04



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