

No. 199

VOLT-ENDURANCE AND DESTRUCTION TESTER



No.199
Option: Mini Printer

JIS-C2110, JIS-(C3003), C3216-5, IEC-60851-5

> FEATURE

This tester is used for evaluating the dielectric strength (volt endurance / volt destruction) of solid electric insulated material. By exchanging the electrodes, the tester can also be used for board, sheet, textile, film, tape, tube, varnish, and paint. Recent applications also include insulating film in lithium-ion batteries. After setting the specimen between the two electrodes, voltage is applied mid-air or in-bath until the specimen insulation destructs. The results are evaluated either by the insulation strength or destruction voltage level. The tester is capable of testing both short-time tests and step-by-step tests. The tester can also be used for enamel coatings using the twistpair method by exchanging the electrodes.

> SPECIFICATION

Capacity	0.5 to 10 kVA
Maximum Output Voltage	AC 5 to 100 kV
Specimen	L500 mm (Twisting L120 mm). φ0.05 to φ3.2 mm
Standard Equipments	A-Meter, V-Meter, Volt-Slider, Programmed Voltage Raising Device, Breakdown Current Regulator
Option	Timer, Mini Printer, Software
Safety Device	Safety Cover with Interlock Attached, Earth-Leakage Breaker, Upper Voltage Limit, Emergency Stop SW., Warning Indicator & Buzzer
Electrode	Selected by Specimen
Power Source	AC 200 V, 1-Phase, 15 to 30 A, 50/60 Hz
Dimensions/ Weight (Approx.)	Differs by Specifications.

No. 199-T

TWISTING DEVICE (FOR VOLT-ENDURANCE AND DESTRUCTION TEST)



No.199-T (1 Hanging) No.199-T (5 Hangings)

JIS-(C3003), C3216-5, IEC-60851-5

> FEATURE

This device is used for enabling the twistpair method for enamel insulation testing, particularly for the No.199 VOLT-ENDURANCE AND DESTRUCTION TESTER. The test specimen is folded in half, attached to the chucks of the device, and twisted at the set tension for twistpair method testing. The No.199 VOLT-ENDURANCE AND DESTRUCTION TESTER can be used for testing the specimen created with this device.

> SPECIFICATION

Hangings	1 Hanging	5 Hangings
Operation	Manual	Electric (5-Station-Linked)
Test Load	Please Specify *Differs by Wire Diameter	
Twisting Speed	-	60 twists/min
Safety Device	-	Interlock Switch, Safety Cover, Leakage Breaker, Emergency Stop Switch
Accessories	Weight 39 N, Spanner, Round Spirit Level	-
Power Source	-	AC 100 V, 1-Phase, 15 A, 50/60 Hz
Dimensions/ Weight (Approx.)	W250 × D250 × H750mm/ 16 kg	Differs by Specifications.

*Power source, dimensions, weight may differ by specifications.