

High Voltage Continuity Tester

Model HVT, HVT-GS



Model HVT (Nema electrode)



Model HVT-GS (IEC electrode)

Test procedure

A voltage generator must provide the electrode with a continuous filtered voltage without transients. The test voltages using an open circuit must be adjustable from 350 to 3000 Vdc +/- 5%. The permanent short circuit current must be 25 +/- 5 μ A at any voltage. A 50 M Ω resistance applied to the high-voltage electrode should not cause a voltage drop of more than 75%, irrespective of the voltage used; the length of the specimen shall be 30 meters. An appropriate circuit must evaluate whether the wire carries a current more significant than that specified in the tables; a counter will display the number of faults.

System description

- Suitable for diameters range 0.05 up to 1.6 mm (44 - 14 AWG).
- Test voltages adjustable in 8 steps: 350V, 500V, 750V, 1KV, 1.5KV, 2KV, 2.5KV, 3KV.
- Test current according to standard specifications.
- Four digit meter counter with pre-selectable test length, resolution 0.1 meter.
- Four digit fault counter with signalling maximum admissible faults.
- Winding wheel for easy wire removal, asynchronous motor with worm gearbox, adjustable speed from 3 up to 30 m/1' with inverter driver.
- Supplied with one electrodes according to IEC 60851-5.5 or carbon fibre electrode according to NEMA.

Specifications

Model	HVT	HVT-GS
HVT, HVT-GS		
Dimensions		
Dimensions (WxDxH)	520x470x430 mm	520x630x570 mm
Weight	27 kg / 59.5 lb	45 kg / 99.2 lb
Power supply		
Volt	230 V	230 V
Hertz	50/60 Single phase	50/60 Single phase
Volt-amperes	150	200
Options		
- GS		Stretching unit: 2 - 4 - 6 - 8 - 10 - 12 - 14 - 16 - 18 - 20%.
- E	Electrodes according IEC or NEMA.	Electrodes according IEC or NEMA.
- V	Different test voltages	Different test voltages
Standards		
IEC	60851-5.5.3	60851-5.5.3
NEMA MW	1000-2015	1000-2015
SIEMENS	SN54212	SN54212