



► Application

The High-power high-voltage testers of HVTS-HP series are designed for testing an insulation of high-voltage cables and other non-liquid dielectric materials with both AC and DC voltage up to 140 kV.

Typically this series includes testers which have a test voltage 70 kV DC/50 kV AC 50 Hz and 100 kV DC/100 kV AC 50Hz. There are two common modifications for each model mentioned above which can bring output power value of 7,5 kVA and 17,5 kVA.

Any other special models, which have test voltages up to 250 kV with a power of up to 40 kVA are available on customer's request.

► Technical specifications

Parameter	HVTS-HP 70/55-7.5 (17.5)	HVTS-HP 70/100-7.5 (17.5)	HVTS-HP 100/100-7.5 (17.5)	HVTS-HP 140/100-7.5 (17.5)
Output test AC voltage range, kV	0.5 – 55	0.5 – 70	1 – 100	1 – 140
Output test DC voltage range, kV	130 (300)	75 (175)	75 (175)	1 – 140
Output test AC current, mA, max	90 (200)	30 (65)	40 (90)	55 (125)
Output test DC current, mA, max	3 – 55	3 – 100	3 – 100	3 – 140
Output AC voltage measuring range, kV	1 – 130 (1 – 300)	1 – 30 (1 – 65)	1 – 75 (1 – 175)	1 – 55 (1 – 125)
Output DC voltage measuring range, kV	1 – 90 (1 – 200)	1 – 30 (1 – 65)	1 – 40 (1 – 90)	1 – 55 (1 – 125)
Output AC current measuring range, mA	3 – 55	3 – 100	3 – 100	3 – 140
Output DC current measuring range, mA	3 – 55	3 – 100	3 – 100	3 – 140
Measuring accuracy	3% (of full scale)			
Supply voltage, V	220 ± 22			
Frequency, Hz	50 ± 1			

Parameters for a 17,5 kVA model of HVTS-HP are given in parenthesis.



HVTS-HP control panel



HVTS-HP high voltage unit

HVTS-HP control unit



The connectors for control unit connection



Transporting position



Operating position