

▶ Application

The High-power high-voltage testers of HVTSH 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 AC voltage, kV, max	55		100	
Output DC voltage, kV, max		70	100	140
Output AC current, mA, max	130* (300*)		75* (175*)	
Output DC current, mA, max	90 (200)	30 (65)	40 (90)	55 (125)
Output AC voltage measuring range, kV	3 – 55		3 – 100	
Output DC voltage measuring range, kV		3 – 70	3 – 100	3 – 140
Output AC current measuring range, mA	1 – 130 (3 – 300)		1 – 75 (1 – 175)	
Output DC current measuring range, mA	1 – 90 (3 – 200)	1 – 30 (1 – 65)	1 – 40 (1 – 90)	1 – 55 (1 – 125)
Measuring uncertainty,	% 3 of reading			
Interface languages	Russian, English, (Turkish, Polish and other – on request)			
Input voltage, V	230 ± 10 %			
Frequency, Hz	50 ± 1 (60 – on request)			
Output power, kVA, max	7.5 (17.5)			

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