

AC Voltage - Test Set-up



Single-stage AC Voltage Test Set-up

Technical Specification	
Rated No Load Voltage	100kV RMS
Continuous Output	5kVA
1 Hr ON	10kVA
Impedance Voltage	4% approx..
Frequency	50 / 60Hz

Basic Components for Single-stage AC Set-up (no test apparatus)		
HV 1103	Control Desk	1 pc
HV 1105	Test Transformer	1 pc
HV 1107	Discharge Rod	1 pc
HV 1108	Connecting Rod	1 pc
HV 1109	Connecting Cup	1 pc
HV 1110	Floor Pedestal	1 pc
HV 1141	Measuring Capacitor	1 pc
HV 1150	AC Peak Voltmeter	1 pc

DC Voltage Test Set-up



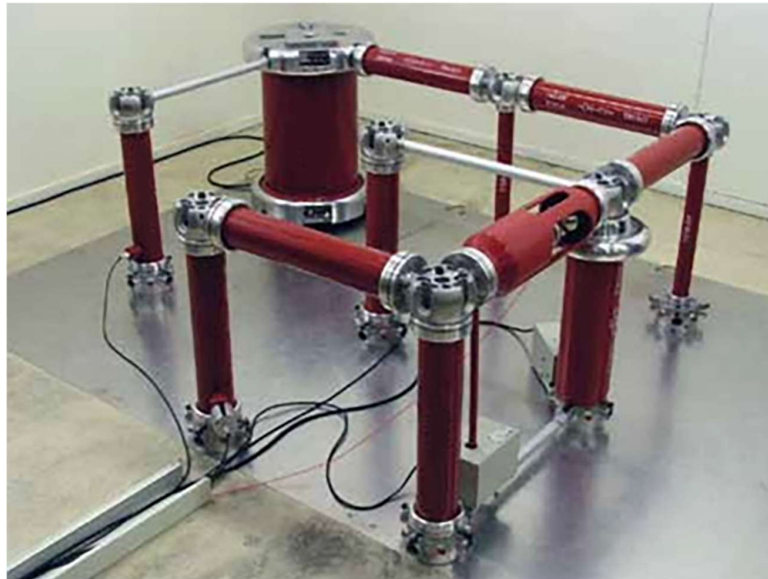
Single-stage DC Voltage Test Set-up (In the picture above AC-divider + Connecting Rod incl.)

Technical Specification

Single-stage	
Rated no load voltage	140 kV
Rated current	13 mA

Basic Components for Single-stage DC Set-up (no test apparatus).		
HV 1103	Control Desk	1
HV 1105	Test Transformer	1
HV 1107	Discharge Rod	1
HV 1108	Connecting Rod	2
HV 1109	Connecting Cup	3
HV 1110	Floor Pedestal	3
HV 1111	HV Rectifier	2
HV 1112	Smoothing Capacitor	1
HV 1113	Measuring Resistor	1
HV 1114	Earthing Switch	1
HV 1119	Spacer Tube	2
HV 1124	Insulating Rod	1
HV 1138	Top Electrode	1
HV 1151	DC Voltmeter	1

Impulse Voltage - Test Set-up



Single stage Impulse Voltage Test Set-up (In the picture above AC-divider + Connecting Rod incl.)

Technical Specification

Single-stage	
Rated DC charging voltage	140 kV
Maximum stored energy with:	
1. HV 1112 (25 nF)	245 J
2. HV 1112-50 (50 nF)	490 J
3. HV 1112-100 (100 nF)	980 J
Voltage efficiency (approx)	92 %

Basic Components for Single-stage Impulse Set-up (no test apparatus)					
HV 1103	Control Desk	1 pc	HV 1122	Wave Front Resistor	1 pc
HV 1105	Test Transformer	1 pc	HV 1123	Wave Tail Resistor	1 pc
HV 1107	Discharge Rod	1 pc	HV 1124	Insulating Rod	2 pcs
HV 1108	Connecting Rod	2 pcs	HV 1125	Sphere Gap	1 pc
HV 1109	Connecting Cup	7 pcs	HV 1126	Drive for Sphere Gap	1 pc
HV 1110	Floor Pedestal	7 pcs	HV 1138	Top Electrode	1 pc
HV 1111	HV Rectifier	2 pcs			
HV 1112	Smoothing Capacitor/Impulse Capacitor	1 pc	Measuring and Control Equipment		
HV 1113	Measuring Resistor	1 pc	HV 1130	Low Voltage Divider	1 pc
HV 1114	Earthing Switch	1 pc	HV 1131	Triggering Device	1 pc
HV 1119	Spacer Tube	5 pcs	HV 1132	Electronic Trigger Sphere	1 pc
HV 1120	Load Capacitor	1 pc	HV 1151	DC Voltmeter	1 pc
HV 1121	Charging Resistor	1 pc	HV 1152	Impulse Volt Meter	1 pc

Impulse Voltage - Typical Configurations



Single-stage Impulse Voltage Test Set-up Discharger Rod on the Capacitor