power

HVG

High Voltage Test Instruments

Reliable and cost effective instrument for high pressure testing

Features

HVG

- Easy to perform HIPOT test.
- Comprehensive safety features .
- Continuously adjustable output voltage.
- Selectable current ranges.
- Built in auto discharge in case of mains power failure or instrument switch off.
- Timer provision to switch off the instrument automatically after the preset period.

Application

HVG

FUNCTION

- Dielectric testing of cables and installations with DC or AC / DC (optionally).
- Pre-location of faults having high resistance nature, by using Voltage transient / decay method.

OPERATION

- Connect the cable / device to HV test instrument with all safety precautions, especially reliable safety earth connection.
- Increase the output voltage gradually to avoid heavy in rush current to the cable / Device under test.
- Maintain the prescribed voltage for given period of time. The leakage current indication will give the dielectric strength of the insulation.
- Apply AC Voltage to specifically advised devices only, such as bus-bar insulators etc.

High pot testers are successfully used for pre-locating high resistance faults where surge / arc reflection methods fail to give results. This method is know as voltage coupler / Decay method.

Specifications

HVG

High Voltage Test Instruments

Power Supply	:	230 V / 240V AC, 50-60 Hz
Output Voltage	:	Continuously variable
Output Current	:	selectable by rotary switch
Output voltage indication	:	Analog / Digital Meter in kV
Output current indication	:	Analog / Digital Meter in mA
Protection	:	1) Variac Zero Inter Lock
		2) Built in Discharge
		3) Over Current Trip
		4) Over Temperature Trip

Range of models

HVG

Sr. No.	Model	DC		AC (Optional)		Dimensions (L x W x H) mm	Weight (kg)
		Rated Voltage	Rated Current	Rated Voltage	Rated Current		
		(kV)	(mA)	(kV)	(mA)		
01	HVG 40	40	20	-	-	B	32 kg
02	HVG 50	50	10	30	10	a+c	80 kg
03	HVG 70	70	10	50	10	a+c	90 kg
04	HVG 80	80	10	55	10	a+d	101 kg
05	HVG 70S	70	15	75 rms	15	a+c	101 kg

DIMENSIONS

a = Control Unit : 525 x 250 x 310 mm
b = Single Unit : 555 x 285 x 515 mm
c = HV Unit : 750 x 710 x 750 mm
d = HV Unit : 500 x 400 x 1010 mm

Marketed by

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