

SPECIFICATION FOR REPETATIVE SURGE OSCILLATOR

Input Power Supply	–	220 – 240 V, 50 Hz.
Max DC Voltage (For proof testing)	–	12 KV.
Max. Surge Voltage	–	12 KV
Max. Impact Energy	–	2.9 (Jules)
Surge Capacity	–	40 nF (nano – farad).
Min. Inductive Load	–	50 mH (milli Henry).
Max. DC output Current	–	1 mA.
Max. Current resolution	–	0.1
Display & Measurement of	–	Digital Storage oscilloscope with software for Printing of Output Voltage & Waveform graphical Representation or Laptop for display & analysis of waveform
		3 1/2 digit Digital Voltmeter to Indicate the charging voltage.

CONTROLS:

MCB - for Mains ON/OFF.
Push Button for HT ON./OFF
Manual /Auto trigger switch.
Test voltage control knob.
Over current shut down

DIGITAL STORAGE OSCILLOSCOPE or better module

Bandwidth:	100 MHZ
Sample rate:	500 MS/S
Time/Division:	5 ns to 50 s/div.
Channel:	Two Channel
Trigger:	External, Internal
Extra backlit display.	
Advance Trigger:	Delay, Pulse & Video.
Supply:	Rechargeable Battery cum 230 V Mains supply

Computer interface:


USB and RS-232 Port for connecting to PC.

The following accessories are to be provided along with the equipment :

1. Connecting Leads—
 - a) Surge Tester to Oscilloscope / Laptop.
 - b) Oscilloscope to printer./ USB memory for Laptop
 2. Re-chargeable Battery for DSO, if applicable – 1set
- Party shall offer for pre-inspection of the items before dispatch.

Other Requirement

- Party shall supply two copies of O & M manual in English along with internal circuitry.
- Equipment shall be commissioned at our premises by the party.
- TC & GC of the equipment are reqd.
- Warranty period shall be of min. one year from the date of commissioning.
- Calibration certificate is required.
- Party shall supply mandatory spares, if any, along with the equipment.
- Party shall offer for pre-inspection of the items before dispatch.
- Party shall submit previous experience of supplying similar equipment or higher rating equipment.


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Pre-Qualification-requirement

RSO (Indent No.20112107)

- Party shall be either regular manufacturer of RSO equipment or authorized agent of established manufacturer.
- Party shall submit previous experience of supplying similar equipment or better specified equipment. Party, whoever does not submit previous P.O. copy (priced /unpriced) or order reference of at least one party to whom they have supplied within last 6-7 years, shall not be considered.
- Party shall mention the date of commissioning of the supplied equipment to other party.



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