



## SURGE WAVE TESTER - SWT 16

### Features :

- Pin point of faults by acoustic method.
- Full energy at each range for easy pin pointing.
- Pre-Location of fault distance on Impulse current method.
- Pre-Location of fault distance on arc reflection method.
- Continuous operation for extended period in case of difficult faults.
- Fully protected operation.



## Specifications

Description	Specification
1. Power Supply	230 V AC $\pm$ 10% 50 Hz
2. Output Ranges	2 or 3
3. Energy Output	Full Energy at each Range
4. Indication	Analog Moving Coil Meter for kV Indication
5. Protection	1) Variac Zero inter Lock
	2) Out put Plug inter Lock
	3) HV Switch inter Lock
	4) Over Heat Protection

## Range of Models

Model	Voltage (kV) Range			Energy (J)	Impulse Sequence	Dimensions L x B x H mm	Weight
	A	B	C				
Low Voltage Surge Tester SWT 4	2 kV	4 kV	-	500	Single Impulse 4 or 8 S Intervals	510 x 380 x 650 mm incl. Caster Wheels	65 kg
High Voltage Surge Tester SWT 16	4	8	16	500	Single Impulse 1.5/3/6 S Intervals	525 x 280 x 695 mm incl. Caster Wheels	63 kg
High Voltage Surge Tester SWT 16D	4	8	16	1000	Single Impulse 1.5/3/6 S Intervals	a) 525 x 280 x 695 mm b) 370 x 280 x 430 mm	63 kg + 40 kg
High Voltage Surge Tester SWT 32	8	16	32	1000	Single Impulse 1.5/3/6 S Intervals	525 x 435 x 725 mm	113 kg
High Voltage Surge Tester SWT 32D	8	16	32	2000	Single Impulse 1.5/3/6 S Intervals	a) 525 x 435 x 725 mm b) 525 x 270 x 485 mm	113 kg + 55 kg

## Application

### FUNCTION

- Primary function of Surge Wave Tester is to pin point underground fault by acoustic method. Best results are achieved by energy discharge at lower range, in which the capacitance is higher.
- For pre-location of cable fault on Impulse current method, use single shot to pump energy into the fault and get good echogram.
- Use proper arc reflection filter to get pre-location on Arc reflection mode (ARM).