



## Features

- ✓ Pin-point location of cable faults in Low voltage cables by acoustic method.
- ✓ Output voltage selectable ranges upto 6kV
- ✓ High energy of 500,750 Joules (Optional 1000Joules).
- ✓ Full energy delivering capacity at each select range.
- ✓ Single Impulse and 2, 4 seconds intervals Sequence.
- ✓ Pre-location of cable fault distance with suitable pre-locator unit in ICM mode.
- ✓ Power Supply 230V AC  $\pm$  10%, 50 Hz, Single phase.
- ✓ LT Network 1.1 kV.

# SWT 4, SWT 6 SERIES

## Low Voltage Surge Wave Tester

LV Surge Tester is powerful equipment to pin-point underground power cable fault by acoustic method with a suitable Surge Wave Receiver.

Occurrence of cable fault cannot be avoided due to many factors. Long outage of a cable from service results in heavy loss of revenue to the power distribution company, production loss to industries as well as unpleasant condition to general. This requires an efficient equipment capable of locating the fault in minimum possible time and restoring the supply.

In power cable fault location most of majority faults pin-points test are carried out using a high voltage and high energy surge wave tester. LV Surge Tester offers 1000J up to 6kV Selectable Range. which allows its use on low voltage power cable networks effectively. It is also used to pin-point the underground cable faults in low voltage power cables with the help of highly selective and sensitive surge wave receiver. It is also used to pre-locate cable fault distance with the help of suitable pre-locator unit in impulse current (ICM) mode, as well as ARM Mode Optional .

## Applications

It is used to pin-point underground cable faults in power transmission, distribution cable networks in acoustic mode with the help of suitable surge wave receiver.

**Technical Details**
**LV SURGE WAVE TESTER**

<b>Specifications</b>	<b>SWT 4</b>	<b>SWT 6</b>	<b>SWT 6DC</b>
<b>Impulse Mode</b>			
<b>Voltage range in kV</b>	0-2 / 0 - 4	0-3 / 0 - 6	
<b>Energy (at each range) in Joules</b>	500	750	1000
<b>Single Impulse</b>	YES		
<b>Selectable auto frequency per minute</b>	15/10		
<b>ARM module (Optional)</b>	No		Yes
<b>DC test mode</b>	No		Yes
<b>Voltage in kV</b>	NA		0 - 12
<b>Current in mA</b>	NA		10
<b>Burn Current in mA (Optional) 3kV</b>	NA		200mA
<b>6kV</b>	NA		100mA
<b>General Parameters</b>			
<b>Input Power Supply</b>	230V AC $\pm$ 10%		
<b>Power Frequency</b>	50Hz or 60Hz $\pm$ 5%		
<b>Operating temperature</b>	0°C to +55°C		
<b>Ingress Protection</b>	IP21		
<b>Approximate Weight in KG</b>	50	60	80
<b>Approximate size (L x W x H) in mm</b>	465 X 305 X 480	485 X 350 X 530	550 x 630 x 700
<b>Standard Accessories</b>			
<b>30kV High Voltage cable in meter</b>	5 meter		
<b>Mains cable in meter</b>	5 meter		
<b>Earth cable in meter</b>	5 meter		
<b>Rexin cover</b>	Yes		

Note : 1) Standard warranty : 12 months | 2) Cable of other lengths shall be available as per requirement | 3) Handles and wheels are not considered in mentioned size

4) Size and weight may increase for optional features | 5) Picture are for illustration purposes only | 6) Specificatios can be changed without any notice