



## SWT 32 SERIES

### High Voltage Surge Tester

High Voltage Surge Tester SWT32 is useful equipment to pin-point underground power cable fault by acoustic method with a suitable surge receiver.

In power cable fault location most of majority faults pin-points test are carried out using a high voltage and high energy HV surge tester. It offers 1000 or 2000 Joules of energy on 8, 16 and 32 kV selectable ranges, which is use on Low, Medium & High voltage cable networks effectively, Energy may go up to 4000J in each range.

It is also used to pre-locate cable fault distance with the help of suitable pre-locator unit in impulse current (ICM) mode.

It has an advance feature to connect arc reflection filter additionally to pre-locate fault distance on secondary impulse SIM / ARM mode with the help of suitable pre-locator unit.

## Features

- ✓ Optimized surge energy for switchable capacitors values for each range.
- ✓ Pin-point location of cable faults in Low, Medium and High voltage cables by acoustic method.
- ✓ Output voltage selectable in three ranges 8, 16, 32 kV.
- ✓ High energy of 1000 Joules and optional 2000 Joules.
- ✓ Full energy delivering capacity at each select range.
- ✓ Continuously variable output voltage from 0 to 100% of selected range.
- ✓ Fully protected operation with safety interlocks.
- ✓ Pre-location of cable fault distance with suitable pre-locator unit in ICM mode.
- ✓ Easy to connect with arc reflection filter and pre-locate fault distance in SIM mode.
- ✓ Automatic discharging facility of cable under test, in case of power failure or after switching off.
- ✓ Continues operation for extended period in case of pin-point difficult cable faults.
- ✓ Rugged construction and easy to carry on site.

## 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

### 32 kV HIGH VOLTAGE SURGE TESTER

Specifications	SWT32	SWT32S	SWT32D	SWT32DS	SWT32CPT	SWT32CPTS	SWT32DPT	SWT32DPTS	
<b>Impulse</b>									
<b>Voltage range in kV</b>	0-8/0-16/0-32								
<b>Energy (at each range) in Joules</b>	1000		2000		1000		2000		
<b>Single mode</b>	YES								
<b>Selectable auto frequency per minute</b>	40/20/10								
<b>ARM module</b>	NO	YES	NO	YES	NO	YES	NO	YES	
<b>DC test mode</b>									
<b>Voltage in kV</b>			NO			YES			
<b>Current in mA</b>			NA			0-32			
<b>Burn Current in mA 8kV</b>			NA			20			
<b>Burn Current in mA 16kV</b>			NA			300			
<b>Burn Current in mA 32kV</b>			NA			150			
<b>Burn Current in mA 32kV</b>			NA			75			
<b>Sheath test ( Optional )</b>			NO			YES			
<b>Voltage in kV</b>			NA			0-8			
<b>Current</b>			NA			75			

## General Parameters

<b>Input Power Supply</b>	230V AC $\pm$ 10%
<b>Power Frequency</b>	50Hz or 60Hz $\pm$ 5%
<b>Operating temperature</b>	-10 ° C to + 55 ° C
<b>Degree of Protection IP</b>	21

<b>Approximate Weight in KG</b>	113	120	132	140	155	165	190	200
<b>Approximate size (L x W x H ) in mm</b>	540X435X650	540X630X650	635X520X740	635X520X740	635X520X740	590X630X720	590X630X720	690X635X720

## Standard Accessories

<b>50kV High Voltage cable in meter</b>	5
<b>Mains cable in meter</b>	5
<b>Earth cable in meter</b>	5
<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, as well as custom built features. 5) Picture are for illustration purposes only. 6) Specification can be changed without any notice.