

Electrical Test & Measurement Instruments





SLE 90 / SLE 90+

Surge Wave Receiver

Surge Wave Receiver is a highly sensitive device used to accurately locate faults in low, medium, and high voltage underground power cables. Its effectiveness depends on following the exact cable route, guided by a magnetic signal display that indicates magnetic field strength on the ground surface.

The receiver helps operators reach fault points quickly by combining magnetic signal detection with acoustic confirmation. Acoustic signals are only present at the fault location, while ambient noise can interfere with detection. This issue is minimized using a mute function and a short acoustic window that opens upon magnetic signal detection.

Both magnetic and acoustic signal levels are shown on a dual LCD display, enabling precise, noise-free fault pinpointing in a short time.

Features

- ✓ For pinpointing of cable faults by acoustics and magnetic method.
- ✓ Guides the operator to be walk on cable route while pinpointing the cable fault.
- ✓ Dual channels LCD display denoting the signal strength of magnetic and acoustic signals.
- ✓ Separate sensitivity and volume / level controls for magnetic and acoustic channels.
- ✓ Indication of battery condition.
- ✓ Back light facility for LCD display.
- ✓ Automatic low bat indication on LCD display.
- ✓ No external noise under mute operation.
- ✓ Ambient noise protected headphone.
- ✓ Perfect acoustic quality and noise immunity
- ✓ Light weight, small and flexible receiver with high sensitive ground microphone.
- ✓ Rugged construction and easy to carry on site.
- ✓ Complete system is offered in a robust molded carrying case.

Applications

It is used to pin-point cable faults in underground power cable network in acoustic mode with the help of suitable surge tester.

Technical Details

SURGE WAVE RECEIVER

SLE Series	SLE 90	SLE 90+
Working Channels	Acoustic and Magnetic	
Acoustic Channels	Broad band Filter 70 - 3000 Hz	
Magnetic Channels	9820 Hz $\pm$ 10 Hz Bandwidth Filter	
Indication	Dual LCD bar-graph display to indicate the levels of acoustic and Magnetic channels. Battery check status Peak hold signal level bar on LCD	
Time Lapse display	Not Available	Available
Gain	More than 96 dB for both magnetic and acoustic channels	
Accuracy	$\pm$ 5%	
Input Impedance	500 Ω for ground microphone	
Power Supply	1.5 V X 8 AA size batteries	
Charger	Optional	
Operating Time	More than 15 Hrs. Continuous	
Operating Temperature	0°C - 55°C	
Storage Temperature	-5°C - 60°C	
Dimensions	240mm (L) x 80mm (H) x 190mm (D)	
Weight	1.5 kg Approx with Batteries	

Standard Accessiores

- Ground Mircophone MIC S
- Headphone
- Carying Stick
- Connecting Cables
- Carrying Case
- Instruction Manual

Note :

- Standard warranty : 12 months
- Picture are for illustration purposes only
- Specification can be changed without any notice

Contact Details

THE MOTWANE MANUFACTURING CO. PVT. LTD.

**Regd. Office & Factory :**

Gyan Baug Nashik Road, Nashik, 422101 Maharashtra, India

**Pune Unit :**

Unit No. 07 & 08, Electronic Sadan No. 2, MIDC, Bhosari, Pune - 411 026



www.motwane.com



Nashik Head Office : 91-0253 -2463752 / 53

Pune Office : 91-20-27122936, 27123176



<https://www.linkedin.com/company/motwanemanufacturing>

Scan the QR code to visit
Motwane's website

