

Installation testers

ELT-S

Article number: 626000347)



Recommended accessories

Carrying bag MSa 7	561260036
Strap	626000587
Protective holster	626000579
Test leads RCT-a2	626000313

Including



Network test lead

- Manual

Z-loop, Z-line tester

The Z-loop, Z-line tester ELT-S has been engineered especially for measuring the phase rotation, earth loop resistance via neutral (N), earth loop impedance via phase (L) and net impedance of LV installations, all according to the EN 61557 regulation.

The instrument is fully electronic and can perform line and loop impedance on single- or three phase systems. It is also possible to measure the loop resistance between neutral and earth without tripping the RCDs.

Following tests

- Earth loop impedance
- Earth loop resistance between neutral and earth
- Prospective short circuit current (Ipsc)
- Net impedance between phase and neutral lines and between two phase lines on a three phase system
- The condition of the protective earth potential (safe or dangerous)
- Voltage
- Frequency three-phase rotation field

The ELT-S has an internal memory with 500 locations for storing the measured values. These stored values can easily be transferred to a PC via the RS232 port.

The transfer software can be downloaded from www.nieaf-smitt.com.

Specifications

Functions	Range
Voltage	0...440 V
Frequency	25...199.9 / 200...500 Hz
Network impedance phase-zero / phase-phase / phase-earth	0...1999 Ω
Potential short-circuit current phase-zero / phase-phase	0.06...40 k
Earthloop resistance zero-earth	0...1999 Ω

Specifications	
Memory	500 locations
Output	RS232, serial 4800 baud
Overvoltage category	CAT II 600 V / CAT III 300 V
IP klasse	IP50
Supply	4x LR14 battery
Dimensions	290 x 110 x 65 cm
Weight	0.9 kg