

SCT100, SCT500, CLM200, CXT100

Structured Wiring Testers



DESCRIPTION

MEGGER SCT100

Structured Wiring Tester

- Fault Indication on main and remote units
- Tests TIA568A/B, USOC, ISO11801 and EN50173 configured networks
- Automatic Testing of Screen on Shielded Twisted pair (STP) Cables
- Magnetic locking of main and remote units when not in use
- Automatic Power On/Off
- Continuously sequencing LED

The MEGGER SCT100 Structured Cabling Tester checks and verifies UTP and STP patch cables and installed networks, providing simple and instant results via LED indicators. The product consists of a main and remote unit, both of which indicate shorts, opens, pair reversals and other mis-wires on 2, 3 and 4 pair structured wiring systems in accordance with TIA568A/B, ISO11801, EN50173 and USOC standards.

Indication of fault conditions on both the main and remote units sets the MEGGER SCT100 apart from competing products by enabling the user to make time savings of up to 50%

SPECIFICATION

Cable Types: 4 Pair UTP, STP, FTP, USOC, 568A or 568B

Fault Indications

Shorts, Opens, Crossed Pairs, Split Pairs, Miswires and Screen faults

Temperature

0-40° C

Dimensions

Closed 145 x 57.5 x 40mm

Weight

175g

Power

PP3 9V Alkaline Battery

Safety

IEC 610101-1 :1993

EMC

In accordance with IEC61326 including Amendment No.1.

MEGGER SCT500

Structured Wiring Tester

- Clear and Instant Digital Display of wiring faults
- Tests TIA568A/B, USOC, ISO11801 and EN50173 configured networks
- 16 Active Remote Office identifiers
- Cable Length Measurement using TDR techniques
- Built in Tone Generator for cable location
- Automatic Testing of Screen on STP Cables

The MEGGER SCT500 Structured Cabling Tester identifies all common wiring faults, including split pairs; opens and shorts, on both screened (STP) and unscreened (UTP) cabling. Tests are performed in accordance with TIA568A/B, ISO11801, EN50173 and USOC standards. In addition to this, the SCT500 has a built in TDR facility for measuring cable or link length, and in conjunction with 16 available remote units, can identify the various circuits in a network.

The MEGGER SCT500 provides these functions, necessary for the Installation Engineer, at between 50 and 70% the price of the market leading brands.

Cable Types

4 Pair UTP, 4 pair STP, 4 pair FTP, USOC, 568A or 568B

Fault Indications

Shorts, Opens, Crossed Pairs, Split Pairs, Mis-wires and Screen faults

Cable Length

2m to 120m

Accuracy

±0.5m (2-10m) or ±5% (10-120m)

Temperature

0-40° C

Dimensions

Main Unit 200 x 80 x 35mm

Remote Unit 65 x 52x 25mm

Weight

Main Unit 250g

Remote Unit 60g

Warbler Tone

Alternating between 810Hz and 1110Hz

Power

PP3 9V Alkaline Battery

Safety

IEC 610101-1 :1993

MEGGER CLM200

Cable Length Meter

- Measures cable length on virtually all types of cable
- Instantaneous display of cable length or distance to cable fault
- Internal library of standard cable types
- Cable Length Measurement using TDR techniques
- Ultra low battery consumption
- Selectable cable impedance and velocity factor

The MEGGER CLM200 Cable Length Meter is a handheld unit that measures the length of telecommunication, data communication, RF, small signal and power cables on drums, in cut lengths or in installed sections. Ergonomically designed, robust and simple to operate, the CLM200 is used to measure cable length by simply attaching the instrument to one end of the cable. A library of common cable types is pre-programmed into the instruments memory, and additionally it will indicate the distance to a short circuit cable fault.

Cable Types

UTP, STP, FTP, Coaxial, Multicore

Cable Length Range

0 to 1999m

Shorted Fault Range

0 to 100.0m & 100 to 1999m

Longer Faults indication

“Short out of range”

Impedance Range

50, 75 & 100 Ohms

Velocity of propagation

0 to 99%

Accuracy

Coax, twisted pair & screened: ±5% or ±0.5m for <10m

Unscreened multicore

±10% or ±1m for <10m

Temperature

0-40° C

Dimensions

200 x 80 x 35mm

Weight

250g

Power

PP3 9V Alkaline Battery

Safety

IEC 610101-1 :1993

EMC

In accordance with IEC61326 including Amendment No.1.

MEGGER CXT100
Coaxial Cable Tester

- Indicates all types of coaxial cable fault
- Indicates at which end of a cable the fault is present
- Automatic Power up / down
- Automatic test repetition every 200ms
- Ultra low battery consumption

The MEGGER CXT100 Coax Cable Tester is a hand held battery powered unit for testing coax cable assemblies. It is suitable for "thin net" applications as well as CATV (Cable Television) and RF / Microwave broadcast. Apart from indicating the usual "inner conductor open circuit", "outer conductor open circuit" and "short circuit" faults, the CXT100 will indicate at which end the fault is situated.

The unique "Fault end indication" function of the CXT100 will enable significant time and money savings in fault identification and location.

Cable Types
Coaxial cable of any impedance

Fault Indications
Short circuit inner/outer, Open circuit inner conductors, Open circuit outer sheath. Audible indication of pass

Repetition
Tests repeated every 200ms

Temperature
0-40° C

Dimensions
110 x 65 x 27mm

Weight
125g

Power
PP3 9V Alkaline Battery

Safety
IEC 610101-1 :1993

EMC
In accordance with IEC61326 including Amendment No.1.

ORDERING INFORMATION	
Item (Qty)	Cat. No.
Structured Wiring Tester	SCT100 [6111-456]
Optional Accessory	
Optional "Tool Belt" pouch	8101-127
Structured Wiring Tester	SCT500 [6111-457]
Optional Accessory	
Optional Remote Office Identifiers (1 to 16)	8101-111 to 126
Optional carrying case	8101-110
Cable Length Meter	CLM200 [6111-455]
Coaxial Cable Tester	CXT100 [6111-454]