

MEGGER® STRUCTURED WIRING TESTERS

Models SCT100, SCT500, CLM200, CXT100

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 percent.

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 to 104° F (0 to 40° C)
Dimensions:	Closed 5.7 x 2.25 x 1.5 in. (145 x 57.5 x 40 mm)
Weight:	.39 lb (175 g)
Power:	PP3 9V Alkaline Battery
Safety:	IEC 610101-1 :1993
EMC:	BS/EN 61326-1 :1997



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 percent below 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, Miswires and Screen faults
Cable Length:	6.5 to 395 ft (2 to 120 m)
Accuracy:	±1.5 ft (6.5 to 33 ft) [±0.5 m (2 to 10 m)] or ±5% (33 to 395 ft) [10 to 120 m]
Temperature:	0 to 104° F (40° C)
Dimensions:	
Main Unit:	8 x 3 x 1.5 in. (200 x 80 x 35 mm)
Remote Unit:	2.5 x 2 x 1 in. (65 x 52 x 25 mm)
Weight:	
Main Unit:	.55 lb (250 g)
Remote Unit:	.13 lb (60 g)
Warbler Tone:	Alternating between 810 and 1110 Hz
Power:	PP3 9V Alkaline Battery
Safety:	IEC 610101-1: 1993
EMC:	BS/EN 61326-1: 1997

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 hand-held 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 preprogrammed into the instrument's memory. Additionally, the unit will indicate the distance to a short circuit cable fault.

**MEGGER® CXT100 Coaxial Cable Tester**

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

The MEGGER CXT100 Coaxial Cable Tester is a hand-held battery-powered unit for testing coaxial cable assemblies. It is suitable for "thin net" applications as well as CATV 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:	UTP, STP, FTP, Coaxial, Multicore
Cable Length Range:	0 to 328 ft (0 to 100.0 m) and 328 to 6560 ft (100 to 1999 m)
Shorted Fault Range:	0 to 328 ft (0 to 100.0 m) and 328 to 6560 ft (100 to 1999 m)
Longer Faults Indication:	"Short out of range"
Impedance Range:	50, 75 and 100 ohms
Velocity of Propagation:	0 to 99 percent
Accuracy:	
Coaxial, twisted pair and screened:	±5% or ±1.5 ft for <33 ft (0.5 m for <10 m)
Unscreened multicore:	±10% or ±3 ft for <33 ft (±1 m for <10 m)
Temperature:	0 to 104° F (0 to 40° C)
Dimensions:	8 x 3 x 1.5 in. (200 x 80 x 35 mm)
Weight:	.55 lb (250 g)
Power:	PP3 9V Alkaline Battery
Safety:	IEC 61010-1 :1993
EMC:	BS/EN 61326-1 :1997

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 200 ms
Temperature:	0 to 104° F (40° C)
Dimensions:	4.3 x 2.5 x 1 in. (110 x 65 x 27 mm)
Weight:	.28 lb (125 g)
Power:	PP3 9V Alkaline Battery
Safety:	IEC 61010-1: 1993
EMC:	BS/EN 61326-1: 1997

ORDERING INFORMATION

Item	Cat. No.	Item	Cat. No.
MEGGER® Structured Wiring Tester	SCT100	Optional Accessories:	
MEGGER® Structured Wiring Tester	SCT500	Tool belt pouch for SCT100	EV8101-127
MEGGER® Cable Length Meter	CLM200	Remote units for SCT500	EV8101-111 through 126
MEGGER® Coaxial Cable Tester	CXT100	Carrying case for SCT500	EV8101-110



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