SCT-MMA / SMA
SCT Fiber Optic Adapters

- **Certify singlemode and multimode fiber optic links at 850, 1300, 1310 and 1550 nm wavelengths**
- **Provide fully compliant Tier 1 Certification**
- **Capabilities include length, loss and power measurements, power meter and light source**
- **Perform bi-directional testing without swapping primary and secondary units**
- **Integrated VFL for diagnosing link problems**
- **Most intuitive and easy to operate fiber optic certification tester on the market**

DESCRIPTION

As the number of fiber optic links in the network increases it's essential that your certification tester seamlessly certifies both copper and fiber, efficiently combining all media results together for analysis and reporting. The SCT-MMA and SCT-SMA fiber optic adapters fulfill this need by converting the SCT into a fully compliant Tier 1 multimode and singlemode fiber optic certification tester. Now you can confidently certify all of your copper and fiber optic links with the snap of an adapter.

The SCT fiber optic solution offers powerful capability and features including length measurement, two-fiber, dual-wavelength loss measurements, single and bi-directional fiber measurements, power meter mode, light source mode, Fiber-Map and visual fault locator (VFL) capability. The SCT Autotest differs from other units by returning a length measurement and four loss measurements when testing dual fibers.

Fully Compliant Tier 1 Certification

The SCT fiber optic adapters create a fully Tier 1 compliant testing solution measuring length, loss, and polarity. The SCT also differs from some units by performing bi-directional testing on two fibers at two wavelengths without exchanging the Primary and Secondary units.

Testing Fiber and Copper is a Snap

Fiber optic and copper certification is a snap with the SCT. Switching between copper and fiber certification is faster and more reliable than any other solution, simply snap in an adapter. Only the SCT allows the user to create dual media projects that store all necessary copper and fiber optic certification parameters in one project. With dual media projects and the ability to automatically recognize copper and fiber optic adapters the SCT can seamlessly switch between copper and fiber optic testing and project parameters with the snap of an adapter.

Visual Fault Locator

The SCT fiber optic adapters include a visual fault locator (VFL) as an easy to use troubleshooting tool. The VFL can locate and visibly identify faults on fiber optic cables. The VFL features a 635-nm visible red laser source. The presence of the VFL's red light indicates a trouble spot in the fiber such as a break or sharp bend. The VFL can be used with either multimode or singlemode fiber. The VFL creates a continuous or modulated light source powerful enough to escape from sharp bends and breaks in jacketed or bare fiber as well as poorly mated connectors, making it ideal for locating trouble spots in jumper cables, distribution frames, splice strays, patch panels, cable splice points and for tracing fiber runs.

Ease of Use

While testing fiber the SCT remains the most intuitive, organized, easy to operate LAN certification tester on the market. Users will find comfort in the familiar controls and Home Menu based graphical user interface. The SCT2000 does away with custom ICONS and uses full text based controls and consistent menu-to-menu behavior. The SCT organizes copper and fiber testing, test parameter management, result management, and options management by individual project, practically eliminating common mistakes. The SCT optimizes certification testing

by displaying all certification test parameters, conducting tests, displaying results and saving either numeric or graphic results from a single menu, eliminating the need to navigate multiple menus to certify.

FEATURES AND BENEFITS

- Provides fully compliant Tier 1 fiber optic testing and reporting using Megger LCMD software.
- When testing dual fibers the SCT Autotest performs a length measurement and measures each fiber at two wavelengths resulting in four loss measurements.
- Performs bi-directional testing on two fibers at two wavelengths without the need to exchange the Primary and Secondary units at the end of the fiber optic link.
- Switching between copper and fiber certification is faster and more reliable than any other solution by simply snapping in the desired adapter.
- Dual media projects store all necessary copper and fiber optic certification parameters in one project eliminating the need for the user to modify certification parameters when switching from copper to fiber, or moving from one site to another.
- Powerful capability and features including length measurement, two-fiber, dual-wavelength loss measurements, single and bi-directional fiber measurements, power meter mode, light source mode, Fiber-Map and visual fault locator (VFL) capability.
- Integrated VFL is ideal for locating fiber optic trouble spots in jumper cables, distribution frames, splice strays, patch panels, cable splice points and for tracing fiber runs.

SCT Fiber Optic Adapters

SPECIFICATIONS

Input (Receiver) Connectors
Fixed SC Adapter

Output (Source) Connectors
Fixed SC Adapter

Source Type and Nominal Wave length
SCT-MM: 850 nm LED and 1300 nm LED
SCT-SM: 1310 nm FP laser and 1550 nm FP laser

Source Power
SCT-MM: -20dBm at 850/1300
SCT-SM: -5dBm at 1310/1550

Length Measurement
SCT-MM: 0 – 5000m of 62.5 or 50 µm fiber
SCT-SM: 0 – 15000m of 9 µm fiber

Power Meter Type
InGaAs detector

Power Measurement Dynamic Range
0 to -50 dB (1300nm, 1310 nm and 1550 nm)
0 to -45 dB (850 nm)

Laser Safety (SCT-MM/SM)
Class I

VFL Specifications

Output Power
≤1 mW

Operating Wavelength
635 nm nominal

Output Modes
Continuous and modulated

Output Connector
2.5 mm universal

Laser Safety
Class II CDRH

Environmental Specification

Operating Temperature

0° C to 40° C

Storage Temperature
-20° C to 60° C

General Specification

Dimensions (L x W x H), nominal
87 mm x 95 mm 29 mm (3.4" x 3.7" x 1.1")

Weight, nominal

0.16 kg (0.35 lb)

ORDERING INFORMATION

Item (Qty)	Cat. No.
SCT-MMA (Set of two multimode fiber adapters)	6111-766
SCT-SMA (Set of two singlemode fiber adapters)	6111-765

UK
Archcliffe Road, Dover
CT17 9EN England
T +44 (0) 1 304 502101
F +44 (0) 1 304 207342
UKsales@megger.com

UNITED STATES
4271 Bronze Way
Dallas, TX 75237-1019 USA
T 1 800 723 2861 (USA only)
T +1 214 333 3201
F +1 214 331 7399
USsales@megger.com

OTHER TECHNICAL SALES OFFICES
Täby SWEDEN, Norristown USA, Sydney AUSTRALIA, Toronto CANADA, Trappes FRANCE, Kingdom of BAHRAIN, Mumbai INDIA, Johannesburg SOUTH AFRICA, and Chonburi THAILAND

ISO STATEMENT
Registered to ISO 9001:2000 Reg no. Q 09290
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