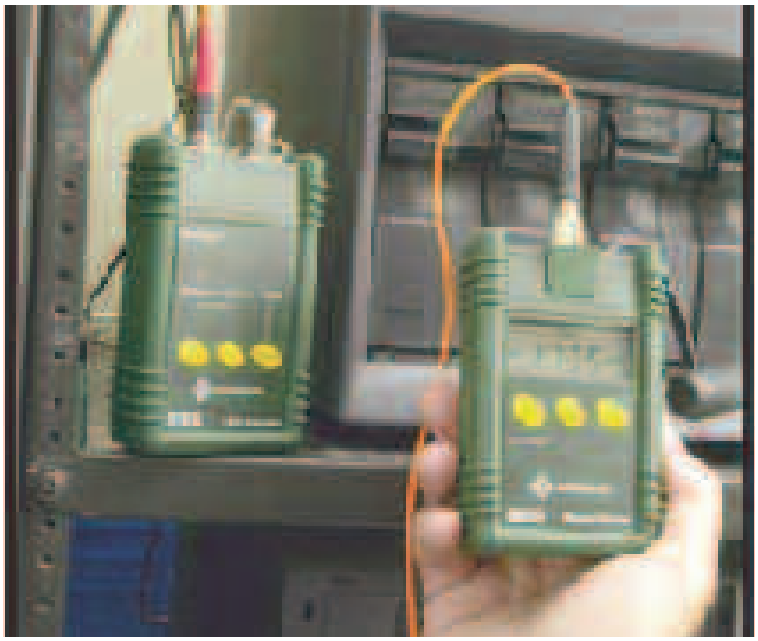
Amphenol
Fiber Systems International

MTCK-002
Single-mode Test Kit



MTCK-002 Single-mode Test Kit.

About the MTCK-002 850nm/ 1300nm LED Source

The small size of the MTCK-002 makes it easy to carry yet provides powerful results. The optical power meter is the perfect tool for installation and testing of fiber optic cabling. The MTCK-002 can be used to measure optical power or used in conjunction with an LED or Laser source to perform insertion loss testing on single-mode fiber optic cabling.

The MTCK-002 measures optical power at 850, 1300, 1310 and 1550nm. It can store reference levels for faster, more efficient testing. The MTCK-001 uses Snap On Connector Interface (SOC) to connect FC, SC and ST connectors.

Measure Insertion Loss & Optical Power

The MTCK-002 is the perfect light source for performing insertion loss testing on single-mode fiber optic cabling. Dual wavelength output (850 and 1300nm) enables fast and accurate insertion loss measurements. Once the user has set the reference with an optical power meter, the MTCK-002 LED source provides a stable output for hours of continuous measurements. The MTCK-002 LED source is configured for FC, SC and ST fiber optic connectors.

MCKT-002 Parts List

AFSI Single-mode MTC Test Kit	Qty
Kimwipes	1
Laser Source (1310/1550nm) (580X)	1
Meter, Fiber Optic Power	1
SOC ADAPT, SOC ST	1
Carrying Case, Test Set	1
Container, Plastic 1 Compartment	1
MIL ST Adapter, SM	4
Optic Pad MSDS	1
MTCK-002-SM Test Set Kit Content	1
MTC-ST - ST SM	2
Optic Pad	12

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MTCK-002 1310/1550nm LED Source Features

- 1310/1550nm wavelengths
- Stable, calibrated output
- Easy to use
- Continuous wave and modulated output
- Fixed connector inteface FC, SC or ST
- Long battery life for approximately 80 hours of continuous operation
- User selctable auto shut-off
- Rugged and splash-proof
- Economically priced

Product Shot of LED Source?

MTCK-002 1310/1550nm LED Model.

MTCK-002 850/1300nm LED Source Specifications

Optical		
Center Wavelengths	1310nm	1550nm
Range (Typical)	1280 to 1340nm	1520 to 1580nm
Max Spectral Width	<5nm	<5nm
Stability (1 hour)	±0.05dB	±0.05dB
Typical Power Output		
Minimum	-8dBm	-8dBm
Typical	-7dBm	-7dBm
Modulation Frequency	270 kHz, 1 kHz and 2 kHz	270 kHz, 1 kHz and 2 kHz
Power Requirements	Two AA size 1.5V batteries (approximately 90 hours of continuous operation)	
Connector Interface	FC, SC or ST	FC, SC or ST
Environmental		
Operating Temperature	-15 to +55°C	
Storage Temperature	-35 to +70°C	
Humidity	0 to 95% non-condensing	
Dimensions	7.2 x 14.2 x 3.5 cm (2.8 x 5.6 x 1.4 in)	
Weight	241g (8.5oz)	
CE	EN61010 EN50081-1: 1992 EN55011, Group 1, Class A EN50082-1: 1992 IEC 801-2, 3 and 4	
CDRH Laser Class	Class 1	

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MTCK-002 Fiber Optic Power Meter Features

- Easy to use - three button control of all functions
- Loss measurements in (dB) power measurements in (dBm)
- 0.01dB measurement relolution
- Multi-wavelength storage - stores and recalls reference power level
- Snap on connector interface adapts to FC, SC and ST connectors
- Long battery life - approximately 100 hours of continuous operation
- User selectable auto shut-off
- Rugged and splash-proof
- Economically priced

Product Shot of Fiber Optic Power Meter?

MTCK-002 Fiber Optic Power Meter.

MTCK-001 Fiber Optic Power Meter Specifications

Optical	
Calibration Wavelengths	850, 1300, 1310 and 1550nm
Power Range	-3 to -60dBm
Accuracy	±0.25dB
Linearity	
+3 to -3dBm	±0.5dB
-3 to -50dBm	±0.05dB
-50 to -60dBm	±0.5dB
Resolution	0.01dB
Power Requirements	Two AA size 1.5V batteries (approximately 100 hours of continuous operation)
Connector Interface	FC, SC or ST
Environmental	
Operating Temperature	-15 to +55°C
Storage Temperature	-35 to +70°C
Humidity	0 to 95% non-condensing
Dimensions	7.2 x 14.2 x 3.5 cm (2.8 x 5.6 x 1.4 in)
Weight	241 g (8.5 oz)
CE	EN61010 EN50081-1: 1992 EN55011, Group 1, Class A EN50082-1: 1992 IEC 801-2, 3 and 4

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How to Order

For more information on how to order or to obtain a price quote on our AFSI MTCK-001 products, please call us at 800.472.4225. For international calls, please dial 214.547.2400 or email us at info@fibersystems.com.

About Amphenol Fiber Systems International

Amphenol Fiber Systems International (AFSI) designs, manufactures, markets and supports reliable and innovative fiber optic interconnect solutions that withstand the harsh environments of military, oil & gas, mining and broadcast applications. After more than a decade in business, AFSI continues to uphold its position as a global leader in fiber optic interconnect components and systems such as termini, M28876, MIL-ST, TFOCA and the TFOCA-II® connector, which AFSI developed and patented.

Altogether, AFSI has delivered millions of fiber optic connectors in more than 22 countries. Whenever there is a need for superior cost-effective fiber optic systems and products that will stand up to demanding operating environments, you can rely on AFSI for engineering know-how, top-quality products and expert technical support.

For more information about AFSI, please visit our web site at www.fibersystems.com.

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