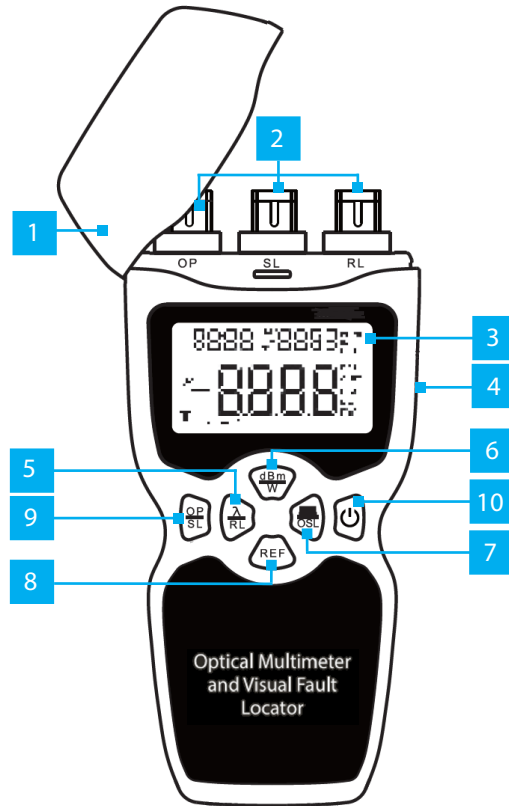


Multi-Function Fiber Optic Cable Tester

Product ID
FIBERTESTPRO



Component	Function
1	Dust Cover <ul style="list-style-type: none"> Protects the Fiber Cable Test Ports when unit is not in use
2	Fiber Cable Test Ports <ul style="list-style-type: none"> Test SC, ST, and FC fiber connections OP: Optical Power Test Port SL: Light Source Port RL: Visual Fault Locator (VFL) / Red Light Port Includes removable screw-on SC Connector Adapters
3	LCD Display <ul style="list-style-type: none"> Displays Test Modes, Power Measurements, Wavelength, and Frequency
4	USB Power Port <ul style="list-style-type: none"> Micro-USB port for external USB power
5	Wavelength / Visual Fault Locator Button <ul style="list-style-type: none"> Short-Press: Select Wavelength Long-Press: Red Light / Visual Fault Locator (VFL) Mode
6	Power Measurement Unit Button <ul style="list-style-type: none"> Toggle between Power Measurement Units dBm: Measures Relative Power in decibels W: Measures Absolute Power in Watts
7	Frequency Selector / Hybrid Test Mode Button <ul style="list-style-type: none"> Short-Press: Select Frequency (Hz) Long-Press: Toggle Hybrid Test Mode
8	Reference Power Value Button <ul style="list-style-type: none"> Short-Press: Display last-saved Reference Measurement Long-Press: Saves current measurement as the Reference
9	Optical Power / Light Source Mode Button <ul style="list-style-type: none"> Select between Optical Power (OP) Test Mode and Light Source (SL) Test Mode
10	Power Button <ul style="list-style-type: none"> Power On the Fiber Tester

Requirements

- AA battery x 3
- Fiber optic cable (FC, ST, or SC)
- Fiber network test point or light source (for Optical Power testing)

For the latest drivers/software, technical specifications, and declarations of conformance, please visit: www.StarTech.com/FIBERTESTPRO

Package Contents

- Fiber Tester x 1
- Double-Sided Cleaning Tips x 25
- QC Inspection Card x 1
- Carrying Case x 1
- Quick-Start Guide x 1





Operation

Power on the Fiber Tester




1. Slide open the battery cover on the back of the **Fiber Tester**. Insert three AA batteries, ensuring correct polarity. Close the battery cover.
2. Press and hold the **Power Button** on the **Fiber Tester** until the **LCD Display** lights up.
Note: The Fiber Tester shuts off after one hour of inactivity. This Auto-off feature is enabled by default. To disable Auto-off, short-press the Power Button.
3. To turn off the **Fiber Tester**, long-press the **Power Button**.

Testing Modes




1. Optical Power Testing

1. Connect one end of the **SC Fiber Cable** to the **OP Port** on the **Fiber Tester**. Connect the far end of the **Fiber Cable** to the network equipment test point. The **OP Port** measures signal power passing through the **Fiber Cable**.
Note: To test FC and ST Fiber Cables, unscrew and remove the SC Connector Adapter from the OP Port
2. Power on the **Fiber Tester**. The default mode is **Optical Power Testing**.
3. Short-press the **Wavelength Button**  to select the signal wavelength (850/980/1270/1300/1310/1490/1550/1577/1625/1650nm).
4. Short-press the **Power Measurement Unit Button**  to select between decibel (dBm) or nano-watt (nw) measurements.
5. Short-press the **Reference Power Value Button**  to bring up the last-saved measurement (the default value is 0). Long-press  to save current measurements as the new reference.

2. Light Source Testing



1. Connect the **Fiber Cable** to the **SL Port** on the **Fiber Tester**. Connect the other end of the **Fiber Cable** to the network or test equipment. Power on the **Fiber Tester**.
2. Short-press the **Light Source Mode Button**  to activate **Light Source Testing**.
3. Short-press the **Wavelength Button**  to select the testing signal wavelength (1310/1550nm).
4. Short-press the **Frequency Selector Button**  to set the frequency (270/1000/2000Hz).

3. Red Light / Visual Fault Locator Testing

1. Connect the **Fiber Cable** to the **RL Port** on the **Fiber Tester**. Power on the **Fiber Tester**.
2. Long-press the **Visual Fault Locator Button**  to activate the **Red Light** in the **RL Port**.
3. Short-press the **Frequency Selector Button**  to switch between a solid **Red Light** or flashing **Red Light** (1-2Hz)
4. The **Red Light** should become visible at the fault location, or at the far end of the **Fiber Cable** if the cable is undamaged.
5. Short-press the **Visual Fault Locator Button**  to exit Red Light Testing.

4. Hybrid Testing Mode

Note: The Hybrid Test Mode enables simultaneous Light Source testing and Optical Power measurements over a fiber connection.

1. Connect one end of the **Fiber Cable** to the **SL Port** on the **Fiber Tester**.
2. Connect the other end of the **Fiber Cable** to the **OP Port** on the **Fiber Tester** to complete the measurement circuit.
3. Power on the **Fiber Tester**. The default mode is **Optical Power Testing**.
4. Long-press the **Hybrid Test Mode Button**  to activate the **Light Source** transmission from the **SL Port** to the connected **Fiber Cable**.
5. Short-press the **Wavelength Button**  to select between 1310nm and 1550nm testing.
6. The **Optical Power** transmitted through the **Fiber Cable** is measured by the **OP Port** on the **Fiber Tester**. The measurements will be shown on the **LCD Display**.

Maintenance

After Use and Storage

1. Ensure that the **Dust Cover** is always in place when the **Fiber Tester** is not in use. This protects the sensitive **Fiber Cable Test Ports** from dust and particulate matter.
2. Use the included **Double-Sided Cleaning Tips** to maintain the **Fiber Optic Test Ports**. The cleaning tips are designed for precise cleaning inside the ports.
3. Carefully insert the **Cleaning Tip** into the **Fiber Optic Test Port** and rotate gently to remove dust or contamination. Avoid applying excessive pressure to prevent damaging the port.
4. Periodically inspect and clean the **Fiber Tester** to maintain optimal performance and accurate testing results.

Troubleshooting

Common Scenarios

Scenario	Possible Reasons	Solution
Inaccurate Optical Power (OP) measurements	Fiber Cable is incompatible with the tested wavelength	Set a different wavelength using the Wavelength Button
LCD Display won't turn on	Low battery	Replace the batteries or connect to a USB Power Source
Weak LCD Display / Backlight	Low battery	Replace the batteries or connect to a USB Power Source
Fluctuating Optical Power (OP) measurements	Laser or Light Source needs to be preheated	Preheat the Light Source and measure again after a few minutes
Weak Light Source (SL) output power	Dust or contaminants inside the Fiber Cable Test Ports	Cleaning the Fiber Cable Test Ports

Regulatory Compliance

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a different circuit than the receiver.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device. If shielded interface cables are included with the product, or if additional components or accessories are designated for use with the installation, they must be used to ensure compliance with FCC regulations.

ISED Statement / Déclaration d'ISDE

CAN ICES-003(B) / NMB-003(B)

This Class B digital apparatus complies with Canadian ICES-003.

This device complies with ISED Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Le présent appareil est conforme aux CNR d'ISDE Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

CE EMC/EMI

StarTech.com hereby declares that this device complies with the Electromagnetic Compatibility Directive (EMC).

A copy of the EU Declaration of Conformity is available at www.startech.com under the Product Support tab.

www.startech.com/FIBERTESTPRO

Laser Safety Guidelines

Laser devices are safe when properly used as a visual or instructional aid. However, they can cause severe eye damage when misused.

- Do not aim lasers towards your eyes or the eyes of others, including animals.
- Do not aim lasers at aircraft or vehicles.
- Do not aim lasers at buildings.
- Do not allow minors to use a laser unsupervised. Lasers are not toys!
- Do not point lasers at mirror-like surfaces.
- Never aim lasers at law enforcement officers or someone who may interpret the pointer as a laser-aimed weapon.
- Never view a laser beam through an optical instrument (such as binoculars, microscope, etc.)

EU CE RoHS Environmental

StarTech.com hereby declares that this product complies with the Restriction of Hazardous Substances (RoHS) directive of the European Parliament and the Commission Delegated Directive (EU). A copy of the EU Declaration of Conformity is available at: www.startech.com/FIBERTESTPRO under the Product Support tab.

EU REACH Declaration

This product complies with the Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH) Regulation (EC) of the European Parliament and the Council. The product does not contain any of the Substances of Very High Concern (SVHC) or Restricted Substances above the threshold values declared by the European Agency for Chemicals (ECHA) on their website's documented/maintained lists.

EU WEEE Directive

StarTech.com products must not be disposed of with household waste. StarTech.com products must be disposed of at an authorized electrical and electronic equipment recycling facility. By collecting and recycling waste, you help save natural resources and ensure that the product is disposed of in an environmentally friendly and healthy way.

Warranty Information

This product is backed by a two-year warranty.

For further information on product warranty terms and conditions, please refer to www.startech.com/warranty.

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