

# Mini Fiber Tester

## Introduction :

The Fiber Tester is a small hand-held tool for verifying and troubleshooting and quickly diagnose problems during Fiber cable installation.

The tester offers easy operation, simply push the “TEST” button, and the LEDs as soon as give a clear indication.



ST type



SC type

## Features :

1. Fastest to Display.
2. Easiest to Operation.
3. Most Cost-effective.
4. Power saving automatically.
5. Power on & Battery low indicator.

## Specifications :

1. Peak Wavelength : 1300nm
2. Fiber core : 62.5 / 125μ
3. Power : 9-Volt Battery
4. Size : 145 x 32 x 25.4mm  
(5.70” x 1.2” x 1”)
5. Weight : 130.5g (0.20 lbs)
6. Readout Range : -20dBm ~ -40dBm  
Readout Resolution : 1dBm
7. Using Distance : 600M

## Operation & Display :

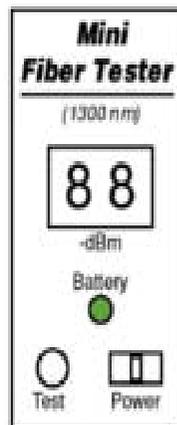
1. First, open the back cover of tester, and put in the suitable battery.



2. Remove the protective covers from the fiber connector.
3. Plugs the fiber cable remote end to the Opto source unit's TXR connector, and slide the power switch on.

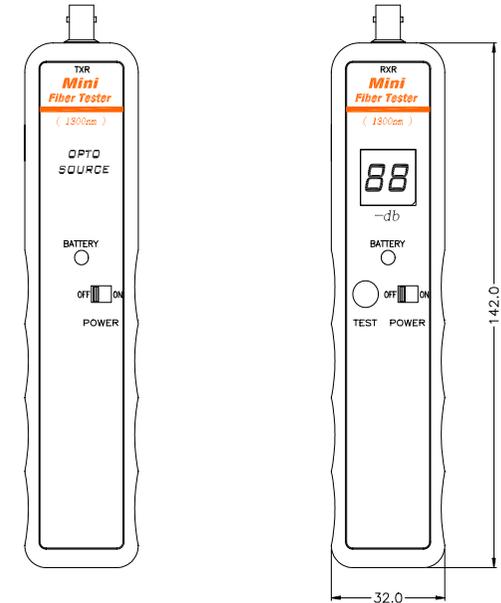


4. Plugs another end to the master unit's RXR connector, and slide the power switch on.
5. Then press the “TEST” button, as soon as the LED indicator will display the tested result.
6. The other micro Watt conversion, please refer to the attached table as below.



### dBm to micro Watt conversion

-20dBm=10 microWatt	-30dBm=1.00 microWatt
-21dBm=7.9 microWatt	-31dBm=0.79 microWatt
-22dBm=6.3 microWatt	-32dBm=0.63 microWatt
-23dBm=5.0 microWatt	-33dBm=0.50 microWatt
-24dBm=4.0 microWatt	-34dBm=0.40 microWatt
-25dBm=3.2 microWatt	-35dBm=0.32 microWatt
-26dBm=2.5 microWatt	-36dBm=0.25 microWatt
-27dBm=2.0 microWatt	-37dBm=0.20 microWatt
-28dBm=1.6 microWatt	-38dBm=0.16 microWatt
-29dBm=1.3 microWatt	-40dBm=0.10 microWatt



## Warning :

1. Please put on the cover of connector, when you don't use tester. It will extend using term and ensure test result accuracy.
2. Remove the battery from the Fiber Tester if it won't be used for some time in order to lengthen its life span.
3. If you use a power supply instead of 9V battery, turn the power to 9V to avoid components to short-circuit.
4. DO NOT operate the tester in live circuit because it may damage the tester.
5. When battery power low less than 7V, the LED indicator light will be glittering
9. Make sure to use 9V battery, don't use other power supply.
7. To avoid damage, please don't drop, avoid contact with water and store and operate at environment temperature less 80 degree C.
8. Please read this user's manual carefully before you use this cable tester.