

See the sections on Smart Remote, Loopback, and Far End Source modes for details on setting the reference for each mode.

After you set the reference, you can enter the lengths of the reference test cords used for reference and test connections. The lengths are included with saved results to meet TSB-140 reporting requirements for fiber test results.

Selecting Reference Test Cords

The DTX Fiber Modules come with high-quality reference test cords.

To ensure that your measurements are accurate and repeatable, use reference test cords provided by Fluke Networks or cords of the same quality. See "Replacing Fiber Reference Test Cords" on page 14-7.

Caution

When testing links with APC (angled physical contact) connectors, use only reference test cords with APC connectors on the ends connected to the link, and UPC connectors on the ends connected to the testers. Connecting non-APC connectors to the link will produce large reflections that affect loss measurements.

Testing Your Reference Test Cords

You should test your reference test cords before each job. Use another set of known-good cords to set a reference and run an Autotest on other cords in Smart Remote or Loopback mode. See pages 8-18 and 8-26 for details on running these tests.

Using Mandrels for Testing Multimode Fiber

You should use mandrels when testing multimode fiber with the DTX-MFM2 fiber modules. Mandrels can improve measurement repeatability and consistency. They also allow the use of LED light sources to certify 50 μm and 62.5 μm fiber links for current and planned high bit-rate applications, such as Gigabit Ethernet and 10 Gigabit Ethernet.

Caution

Do not use mandrels when testing with the DTX-GFM2 fiber modules.

The gray mandrels included with the DTX-MFM2 are compliant with TIA/EIA-568-B for 62.5 μm fiber with a 3 mm jacket. Mandrels for 50 μm fiber are available from Fluke Networks. Refer to the appropriate standard for mandrel requirements if you follow other standards.

Внимание!

При тестировании с помощью оптических модулей DTX-GFM2 катушки-оправки НЕ ИСПОЛЬЗУЮТСЯ.