

## Article Overview

Optical Cable Reel Testing Fixtures typically range from \$5,000 to \$50,000 depending on features, capacity, and compliance with industry standards.

## Overview

Optical Cable Reel Testing Fixtures are specialized machines designed to test the mechanical, environmental, and optical performance of fiber optic cables. They are used to evaluate tensile strength, crush resistance, bending, torsion, and other stress factors to ensure compliance with standards such as IEC 60794 . These fixtures are essential for manufacturers, telecom operators, and research institutions to verify cable durability and signal integrity.

## Factors Affecting Price

- o Testing Capabilities: Fixtures that perform multiple tests (tensile, bending, torsion, crush, impact) are more expensive than single-function units .
- o Cable Type: Equipment designed for indoor, outdoor, or armored cables may vary in cost due to structural requirements .
- o Automation and Data Logging: Fully automated systems with digital control, data storage, and trace analysis increase the price .
- o Brand and Technology: Leading suppliers like Torontech, VIAVI, and Fluke offer high-precision machines with advanced Canadian or US technology, which are priced at the higher end of the spectrum .
- o Compliance and Certification: Fixtures that meet international standards (IEC, TIA, ISO) often cost more due to rigorous engineering and testing validation .

## Typical Price Range

- o Entry-level or single-function fixtures: \$5,000-\$15,000
- o Mid-range multi-test fixtures: \$15,000-\$30,000
- o High-end fully automated, multi-standard compliant fixtures: \$30,000-\$50,000 or more

## Where to Purchase

- o Netceed UK: Offers a range of fiber optic test equipment suitable for installation and maintenance .
- o RS Components: Provides testers and accessories from brands like Fluke and Greenlee, with calibration services available .
- o Torontech: Specializes in high-precision optical fiber cable testing machines compliant with IEC 60794 standards .
- o Markertek and Fiber Optic Center: Supply OTDRs, test kits, and modular systems for lab and production



# Price of Optical Cable Reel Testing Tools

environments .

## Recommendation

For accurate pricing, it is best to contact suppliers directly with your cable type, testing requirements, and desired automation level. Many suppliers provide custom quotes based on the specific configuration of the testing fixture. This ensures you get a solution that meets both technical and budgetary needs.

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Fibre testers ensure the cable laid is fully functional, as it's vitally important that there isn't damage along the cable that could inhibit

Amphenol Fiber Systems has a complete tools to test fiber optic equipment, cables and connectors.

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OTDR Fiber Optic Tester, WANLUTECH Fiber Tester 1310/1550nm 28/26dB 5.4 inch Touchscreen Event Map OPM OLS VFL

Fiber Optic Termination & Cleaning Kit - Visual Fault Locator Fiber Optic Cable Tester, Optical Power Meter, Cleaner, Cleaver,

Shop fiber optic test and installation equipment, including OTDRs, OLTS certifiers, fusion splicers, and fiber

Even before installation begins, you will have to test cable on the reel for pre-installation testing. Testing fiber optics requires special

How to test your cable when it is still on the reel to ensure there are no problems before it

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## Price of Optical Cable Reel Testing Tools

ShowMeCables offers a variety of fiber optic cable testers. Check whether cables are working correctly or in need of repairs. With

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