

# TFS-1020

## Optical Fault Finder



P/N 2011425000

- Dual-source operation with 650 nm and 1550 nm light sources
- OTDR Technology
- Determines optical fiber length or fault location for cables from 65 feet up to 18 miles long
- Determines visible fault location for cables up to 3 miles long
- Measures up to 5 Fault Events
- Auto-power off feature with low power alarm
- Compact Size

## Overview

The hand-held TFS-1020™ Optical Fault Finder offers an affordable way to determine optical fiber length or fault locations in fiber optic systems. By using optical time-domain reflectometer technology, the TFS-1020 can automatically calculate and display nominated and interval event lengths. Measurements up to 30 kilometers away can be made while reading up to 5 fault events. The TFS-1020 comes in an easy-to-transport compact size. The complete kit includes the TFS-1020 Optical Fault Finder, protective carrying case, optical fiber patchcord, 2 AA batteries, carrying strap and user's manual.



XFTP by TRILITHIC  
9710 Park Davis Drive  
Indianapolis, IN 46235

P: 800-344-2412  
317-895-3600  
F: 317-895-3613  
E: [xftp@trilithic.com](mailto:xftp@trilithic.com)

[www.fieldtechproducts.com](http://www.fieldtechproducts.com)

# TFS-1020

## Specifications

### Invisible Light Source

Connector	FC/PC
Emitter	FP Laser Diode
Wavelength	1550 nm
Fiber Mode	G652
Max Measureable Distance	30 km
Dead Zone	20 m

### Visible Light Source

Connector	Universal
Emitter	Visible Light
Wavelength	650 nm
Fiber Mode	G651, G652, ANSI/FDDI
Max Measureable Distance	Up to 5 km
Operating Time	> 10 hours

### Measurement

Measure Time	<10 sec
Precision	±10m(high); ±200m(low)
Resolution	0.001 km
Display Unit	km

### Physical Specifications

Battery	Two (2) "AA" Alkaline Batteries
Auto-Shutoff	3 minutes
Operating Temperature	32 to 104 °F (0 to 40 °C)
Storage Temperature	-40 to 158 °F (-40 to 70 °C)
Humidity	0 to 95%, non-condensing
Dimensions	6.18 x 3.39 x 1.57 inch (157 x 86 x 40 mm)
Weight	1.06 lbs. (480 grams)

### INCLUDES THE FOLLOWING:

Protective carry case	ST to FC Optical Patch Cable
Carrying strap	2 AA size batteries
User's manual	Quick-Start Guide



XFTP by TRILITHIC  
9710 Park Davis Drive  
Indianapolis, IN 46235

P: 800-344-2412  
317-895-3600  
F: 317-895-3613  
E: xftp@trilithic.com

[www.fieldtechproducts.com](http://www.fieldtechproducts.com)