

# OP280MT

## Ribbon Fiber Visual Fault Locator

### Overview

The **OP280MT** is designed to check for breaks in a ribbon fiber and to verify correct polarity of ribbon fiber connectors, hybrid cables and distribution boxes quickly and conveniently. Each of the twelve fibers is illuminated with bright 635nm red lasers.

The **Ribbon Fiber Visual Fault Locator** can be used for single mode or multimode applications and is pre-programmed with various sequences for automatic or individual scanning of each fiber. User defined patterns can be programmed via the USB data port.

*Note: Included with each OP280MT is a twelve-inch (30cm) SAVER cable available in either male or female MTP connectors. This will help prevent the output interface from potential damage or premature replacement which can create significant downtime. The SAVER cable can simply be repolished or reordered from OptoTest whenever it becomes damaged.*



Model OP280MT Ribbon Fiber Visual Fault Locator

### Features

- 12 Individual red lasers; one per fiber
- Use for fault location at least one kilometer
- Internal rechargeable battery
- USB operation
- Programmable patterns for the various connection types

### MultiFiber Polarity Tester

When an OP280MT is used as the source for **OptoTest's OP480MT Multifiber Polarity Tester**, the OP480MT quickly displays results for many different ribbon configurations and channel counts including type A, B, and C. Additionally, it can be configured with any number of custom mappings via utility software.



OP280MT Ribbon Fiber Visual Fault Locator connected to an OP480MT Multifiber Polarity Tester

# SPECIFICATIONS

## OP280MT

Laser Sources, red visible light	12
Optical Interface	MTP/MPO APC male or female
Internal Fiber	SMF28
Laser Wavelength	650nm
Output Power (Typical)	0.50 mW into 9/125
Internal Battery	Li-ion 900mAh
Power Supply & Charge	+5VDC 1A, fast charge
Data Interface & Charge	USB 2.0, up to 1A
Dimensions	8.5" x 3.5" x 1.2"
Weight	1.43lbs (0.65kg)

## Laser Classifications

All **OP940 Insertion Loss and Return Loss Test Sets** utilize a **Class I Laser Source**. Unless otherwise noted, all **OP250**, **OP715**, and **OP750** source units with internal laser sources utilize a **Class I Laser Source**. Unless otherwise noted, all **OP815** and **OP850 Insertion Loss Test Sets** with internal laser sources utilize a **Class I Laser source**. All **OP280 Visual Fault Finder** units utilize a **Class III Laser Source**.

*OptoTest strongly suggests that all necessary precautions be taken whenever any Class I or Class III laser source is used.*

Specifications are subject to change, please confirm specific performance characteristics of the product at the time of ordering. All specifications are valid within temperature range of 18°C to 24°C unless otherwise noted. For additional specifications please contact OptoTest.