![ODM - A RIPLEY® BRAND logo]

OTDR 800

Optical Time Domain Reflectometer with Bluetooth®

The OTDR 800 is the newest handheld OTDR from Ripley's ODM® brand that provides test technicians and contractors with an all-in-one solution for testing optical reflection and loss in fiber networks.

Its compact, ergonomic design is easily portable. The OTDR 800 is one of the smallest and lightest OTDR's on the market weighing under 1.5 lbs. It features an adjustable, ambidextrous hand-strap and protective rubberized boot that makes testing a breeze in virtually any location.

Quickly select from a wide variety of wavelength configurations and easily view the test results in an event table with PASS/FAIL analysis for each reflective event. Individual events can be inspected manually using the event selection feature or automatically with the device's built-in PASS/FAIL function. After testing, easily transfer trace files to an Android smartphone or tablet with Bluetooth®, or to a Windows computer by USB with the free ODM® brand OpTrace software.

Features

- Detailed screen views provide visual trace & PASS/FAIL analysis
- LCD touchscreen interface with compact stylus provide refined cursor positioning & easy parameter selection
- Unique ergonomic, soft & compact case offers device protection
- Bi-directional averaging performs necessary calculations automatically
- Simplified user interface features Auto-Test capability for easy testing
- 1 meter dead zone delivers accurate reflective event testing in even the shortest fiber systems
- Bluetooth® compatibility with Android Smartphones & Tablets
- Optimized APC launch port minimizes reflections

ERGONOMIC & DURABLE DESIGN PROTECTS AGAINST DAMAGE

APC OPTIMIZED LAUNCH PORT

REMOVABLE HAND-STRAP CONNECTS ON EITHER SIDE

TOUCHSCREEN INTERFACE

REAR, FOLDAWAY KICKSTAND

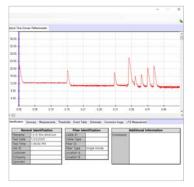CONVENIENT, REMOVABLE STYLUS

BLUETOOTH® ENABLED

The Schematic Trace view shows the most important parts of each trace with pertinent data attached.

The Event Table view summarizes specific data points at events for more in-depth troubleshooting.

The factory-configured top panel features a VFL port, a laser port with multiple adapter options, and space for future expansion ports.

Transfer trace files to a Windows computer via USB or to an Android smartphone or tablet with Bluetooth®.

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Specifications

OTDR	
Wavelengths	1310nm / 1550 nm
Dynamic Range	34/32dB SM
VFL Wavelength	650nm +- 5nm
Pulse Width	5 - 20,000ns
Units of Measurement	km, kf, mi
Event Dead Zone	1m
Attenuation Dead Zone	4m
Resolution	0.125m - 32m
Distance Uncertainty	± 0.75 + 0.005% x distance + sampling resolution
Distance Range	0.5km-256km SM
Real-Time Refresh Rate	2 Hz
Group Index of Refraction (GIR)	1.024 - 2.048
Linearity	± 0.05 dB/dB
Memory Capacity	~40,000 traces
Memory Type	Internal

Power Supply/Charger	USB Charger 5V@1A
Battery Life	Li-ion - 6 Hours
Storage Temperature	-20 to 60C
Operating Temperature	-10 to 50C
Dimensions (Without Boot)	6.25" x 4.125" x 1.875"(159mm x 105mm x 48mm)
Weight	1.5 lbs
Laser Safety Classification	Class 1 Safety Per FDA/CDRH and IEC-825-1 Reg.
VFL Classification	Class 2 FDA21 CFR1040.10 & 1040.11 IEC 825-1:1993
Communication Ports	Micro USB and Bluetooth®
Output Connectors	Interchangeable FC, ST, SC (all included)

Ordering Information

PART NO.	WAVELENGTHS	SPECIAL FEATURES / NOTES	DESCRIPTION
OTDR 800	1310nm & 1550nm	OTDR includes ambidextrous hand strap, Stylus with convenient storage on-board, Industrial protective boot, ST, FC, and SC Adapters, charger, and hard carry case	Touchscreen OTDR for SM applications.

Inspection Tip Adapters

PART NO.	DESCRIPTION
AC 040B	SC Adapter
AC 041B	SC / APC Adapter
AC 109B	SC 60-Degree Angle Adapter
AC 042B	FC Adapter
AC 043B	FC/APC Adapter
AC 104B	FC, 60° Angle Adapter
AC 044B	LC Adapter
AC 045B	LC/APC Adapter
AC 107B	LC, 60° Angle Adapter
AC 051B	OptiTap Adapter
AC 046B	ST Adapter
AC 047B	MTP/APC Adapter
AC 050B	MTP/MPO Straight Adapter
AC 048B	1.25mm Universal Adapter
AC 049B	2.5mm Universal Adapter
AC 114B	1.25mm Universal HR Adapter
AC 115B	2.5mm Universal APC Adapter
AC 116B	1.25mm Universal APC Adapter

Launch Cables/Accessories

PART NO.	DESCRIPTION
AC 490	SM FC-LC 150 meters
AC 495	MM FC-LC 150 meters
AC 513	SM LC-LC 20 meters
AC 514	SM FC-LC 20 meters
AC 630	Non-reflective Terminator - LC UPC
AC 160	SC Launch Adapter
AC 161	ST Launch Adapter
AC 162	FC Launch Adapter
AC 491	SM SC/APC-LC 150 meters
AC 492	SM LC-LC 150 meters

Cleaning Tools

PART NO.	DESCRIPTION
AC 089	One-Click Cleaner for 1.25mm & ODC Ferrules / Bulkheads
AC 099	One-Click Cleaner for 2.5mm Ferrules / Bulkheads
AC 090	1.25mm Swabs (100 per Pack)
AC 091	2.5mm Swabs (100 per Pack)
AC 092	SqR Pad & Fiber Wash Pen
AC 190	Cletop Cleaner - Type B - Blue Tape

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