

OTR 700

Touchscreen OTDR

Optical Time Domain Reflectometer

The ODM OTR 700 gives test technicians and contractors all the tools necessary for testing optical reflection and loss in fiber networks. A wide variety of possible wavelength configurations and hardware options makes this OTDR an all-in-one test solution for fiber characterization.

The OTR 700 boasts 3 customizable ports for hardware components.

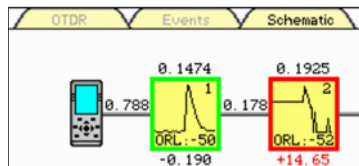
Choose a standard configuration of 1 laser/LED output and a probe input, or add a power meter and/or VFL red laser to increase the functionality of the unit.

This OTDR offers an event table with PASS/FAIL analysis for each reflective event, and the 1 meter dead zone provides accurate reflective event testing in even the shortest fiber systems. Each event can be inspected manually using the event selection feature or automatically with the device's built-in PASS/FAIL function. The OTR 700's schematic trace view allows technicians to see just the most important parts of each trace with pertinent data attached.

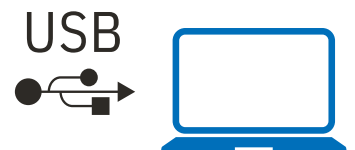


Features

- Event table with PASS/FAIL analysis
- Bi-directional averaging - unit performs all necessary calculations automatically
- Short event dead zone - ideal for short-link installations
- Schematic view of fiber link for quick and simple trace analysis
- Touchscreen interface allows fine-tuning of cursor position and fast parameter switching
- Optionally add inspection probe, power meter, and/or VFL



OTDR		Events		Schematic		
#	P	FT	SPLICE	2POINT	DB/KF	TYPE
3	P	230.73	+0.095	0.375	+2.955	-47.6
4	P	244.97	+0.016	4.129	-NR-	-60.5
5	P	310.72	+0.400	0.353	-NR-	-55.1
6	P	322.86	+0.282	0.947	-NR-	-54.5
7	P	473.20	+0.213	0.408	-3.181	-51.0



Schematic View of fiber link provides a PASS/FAIL interface that simplifies fiber traces for troubleshooting and reporting.

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

Factory-configurable top panel provides space for laser/LED ports, VFL, OPM, and video scope port.

Transfer trace files from OTR 700 to Windows computer for file editing/report creation with ODM's free OpTrace software.

Specifications

OTDR	
Wavelengths	User-Specified (See Ordering Information)
Dynamic Range	27/26dB MM 36/35dB SM 5 - 20,000ns km, kf, mi
Pulse Width	1m 4m 0.125m - 32m ± 0.75 + 0.005% x distance
Units of Measurement	+ sampling resolution 0.5km-64km MM 0.5km-
Event Dead Zone	256km SM 2 Hz 1.024 - 2.048 ± 0.05 dB/dB 1000
Attenuation Dead Zone	traces Internal
Resolution	
Distance Uncertainty	
Distance Range	
Real-Time Refresh Rate	
Group Index of Refraction (GIR)	
Linearity	
Memory Capacity	
Memory Type	

Power Supply/Charger	Universal/Interchangeable 6 Hours -20 to
Battery Life	60C
Storage Temperature	-10 to 50C
Operating Temperature	7.75" x 4.5" x 2.25"(197mm x 114mm x 57mm)
Dimensions (Without Boot)	2.0 lbs
Weight	Interchangeable FC, ST, SC (all included)
Output Connectors	

Ordering Information

PART NO.	WAVELENGTHS	SPECIAL FEATURES / NOTES	DESCRIPTION
OTR 700-S	1310nm & 1550nm	Probe port included. Add -P to product name (OTR 700-S-P) to add inspection probe. Add -PM to product name to add OPM. Add -V to product name to add VFL.	Touchscreen OTDR for SM applications.
OTR 700-M	850nm & 1300nm	Probe port included. Add -P to product name (OTR 700-S-P) to add inspection probe. Add -PM to product name to add OPM. Add -V to product name to add VFL.	Touchscreen OTDR for MM applications
OTR 700-Q	850nm & 1300nm (MM) 1310nm & 1550nm (SM)	SM and MM combo unit. Probe port included. Add -P to product name (OTR 700-Q-P) to add inspection probe. Add -PM to product name to add OPM. Add -V to product name to add VFL.	Touchscreen OTDR for SM and MM applications.
OTR 700-S3	1310nm & 1490nm & 1550nm	3 SM wavelength unit.	Touchscreen OTDR for SM applications.
OTR 700-PON	1310nm & 1550nm & 1625nm	Adds 1625nm port (1650 also available) with filter to be used on active fiber systems.	Touchscreen OTDR for SM applications. With 1625nm filtered port for active fiber.
OTR 700-DWDM	1527.4-1565.4nm (Tunable)	Tunable output port with 0.4nm and 0.8nm channel spacing	Touchscreen OTDR for DWDM applications. Tunable laser source.

Inspection Tip Adapters

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

Launch Cables/Accessories

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

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

