

FIBER TOOLS

OFL100 OTDR OPTICAL TIME-DOMAIN REFLECTOMETER



TESTING | TROUBLESHOOTING | ACCURACY

The OFL100 OTDR enables the front-line fiber technician to guickly locate loss events in the last mile of the FTTx network. The convenient touchscreen provides an intuitive interface for even newly provisioned technicians making it simple to locate loss events such as cut fibers, contaminated or damaged connectors, and excessively bent fibers.

The Auto Mode allows for the technician to initiate a measurement without adjusting any test parameters. The Expert OTDR Mode provides access to all features that the savvy OTDR technician demands so they can refine measurement parameters enabling them to troubleshoot the most demanding faults.

Results can be displayed using a traditional OTDR trace or linear map with user selectable Pass/Fail analysis. All events are measured, annotated, saved, and exported as an industry standard SOR file that is compliant to GR196 Telcordia standards. The SOR file can be imported into the Trace Viewing program where analysis can be performed, and test results can be saved as a PDF report.



TWO YEAR WARRANTY

ORDERING INFORMATION:

CAT. NO.	DESCRIPTION
OFL100-NA	OFL100 with North American Power Supply
OFL100-EU	OFL100 with UK and European Power Supplies

Product Features:

FAST.

- Easy to use one button test function. Start measurements with the push of one button.
- Auto test automatically sets test parameters for optimum test results.

ACCURATE.

- Graphical touchscreen interface is easy to read, even in high ambient light conditions.
- 128,000 data points provides high accuracy results.
- Measure lengths and fiber defects to guickly locate faults.

RELIABLE.

- Link Viewer annotates the entire fiber link in an easy to interpret Pass/Fail format.
- Cable acceptance reports generate customized reports that include trace signature and fiber events.
- Long life battery so you can work longer without recharging - up to 12 hour shift capable.

Includes:

- OFL100
- Power Supply with USB cable
- Certificate of Conformance
- Quick Reference Card
 - 8GB SD Card
- Soft Carry Case with Strap
- SC/APC Adapter

ACCESSORIES:

CAT. NO.	DESCRIPTION	
OFL100-SCAPC	SC/APC Adapter	
OFL100-LCAPC	LC/APC Adapter	
OFL100-FCAPC	FC/APC Adapter	
OFLPS-NA	OFL100 North American Power Supply with USB Cable	
OFLPS-UK	OFL100 United Kingdom Power Supply with USB Cable	
OFLPS-EU	OFL100 European Power Supply with USB Cable	
OFLCC	OFL100 Carry Case with Strap	



TempoCom.com | tel 800.642.2155 | sales@tempocom.com

OFL100 Specifications:

OTDR			
Wavelength	1310/1550nm		
Dynamic Range	26/24dB		
Event Deadzone	2.5m		
Attenuation Deadzone	8m		
Measurement Ranges	500m, 1km, 2km, 4km, 8km, 16km, 32km, 64km and 100km		
Pulse Widths	3ns, 5ns, 10ns, 20ns, 30ns, 50ns, 80ns, 160ns, 320ns, 500ns, 800ns, 1µs, 2µs, 3µs, 5µs, 8µs, 10µs and 20µs		
Measurement Accuracy	± (1m+Sample interval+0.005%xTest Distance)		
Linearity	≤0.05dB/dB		
Sampling Points	16,000 to 128,000		
Loss Resolution	0.001dB		
Loss Threshold	0.20dB		
Distance Resolution	0.001m		
Refractive Index	1.00000 to 2.00000		
Reflection Accuracy	±3dB		
File Format	SOR compliant to Telcordia GR196		
Loss Analysis	Four Point & Five Point		
Laser Safety	Class 1M		
Bulkhead	SC/APC (Optional LC and FC)		
Trace Update Rate	ЗНz		
Optical Power Meter			
Wavelength Range	800nm to 1700nm		
Calibrated Wavelengths	850nm, 980nm, 1300nm, 1310nm, 1490nm, 1550nm, 1625nm and 1650nm		
Measurement Range	+26dBm to -50dBm		
Measurement Resolution	0.01dB		
Measurement Accuracy	±5%		
Tone Frequencies/Sensing	CW, 270Hz, 330Hz, 1kHz and 2kHz		
Bulkhead	2.5mm Universal		
Visual Fault Locator			
Wavelength	650nm ±20nm		
Output Power	<1mW		
Mode of Operation	CW, 1Hz and 2Hz		
Bulkhead	2.5mm Universal		

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Class 2

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Laser Safety

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Wavelength1310/1550nmOutput Power2-5dBm; variablePower StabilityCW ±0.5dB//5 minutes after continuous on of 15 minutesBulkheadSC/APC (Optional LC and FC Available)Tone FrequenciesCW ±70Hz, 330Hz, 1kHz and 2kHzOptical Loss Testing1310nm and 1550nmInsertion Loss TestingIntegrated OPM and SLSR445 Sequence TestingStraight and Interleaved (T568)Cable TypeStraight and Interleaved (T568)Power SupplyAC to DC 100-240VAC, 50/60HzPower Supply FormatAC to DC 100-240VAC, 50/60HzPower Supply FormatS12 Hours Continuous TestPower Supply FormatS12 Hours Continuous TestSizeSizeAt 11bs (<0.5kg) Including BatterySizeSizeSizeS68 (>200,000 Curves)Internal StorageS68 (>200,000 Curves)Environmental-10°C to <50°C	Stabilized Laser Source			
Power StabilityCW, ±0.5dB/IS minutes after continuous on of 1S minutesBulkheadSC/APC (Optional LC and FC Available)Tone FrequenciesCW, 270Hz, 330Hz, 1kHz and 2kHzOptical Loss TestingIntegrated OPM and 1S50nmInsertion Loss TestingIntegrated OPM and SLSRJ45 Sequence TestingIntegrated OPM and SLSCable TypeStraight and Interleaved (T568)Mechanical4.3° 800x400 TFT LCD TouchscreenPower SupplyAC to DC 100-240VAC, 50/60HzPower Supply FormatAC to DC 100-240VAC, 50/60HzPower Supply FormatS12 Hours Continuous TestBattery Lifetime3.7V, 4Ah Li IONSizeG8"x 4.3° x 18° (173mm x 109mm x 45mm)DataInternal StorageInternal Storage8GB (>200,000 Curves)InterfaceUSB Type C, 8GB SD Card	Wavelength	1310/1550nm		
Power Stabilitycontinuous on of 15 minutesBulkheadSC/APC (Optional LC and FC Available)Tone FrequenciesCW, 270Hz, 330Hz, 1kHz and 2kHzOptical Loss TestingWavelength1310nm and 1550nmInsertion Loss TestingIntegrated OPM and SLSRJ45 Sequence TestingIntegrated OPM and SLSCable TypeStraight and Interleaved (TS68)Mechanical4.3' 800x400 TFT LCD TouchscreenPower SupplyAC to DC 100-240VAC, 50/60HzPower Supply FormatAC to DC 100-240VAC, 50/60HzBattery Lifetime>12 Hours Continuous TestSizeSizeSize6.8'x 4.3'x 1.8' (173mm x 109mm x 45mm)DataUSB Type C, 8GB SD CardEnvironmentalUSB Type C, 8GB SD Card	Output Power	≥ -5dBm; variable		
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Display 4.3" 800x400 TFT LCD Touchscreen Power Supply AC to DC 100-240VAC, 50/60Hz Power Supply Format North America or United Kingdom and European Battery Lifetime >12 Hours Continuous Test Battery Lifetime 3.7V, 4Ah Li ION Weight <1.11bs (<0.5kg) Including Battery	Cable Type	Straight and Interleaved (T568)		
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Power Supply Format North America or United Kingdom and European Battery Lifetime >12 Hours Continuous Test Battery 3.7V, 4Ah Li ION Weight <1.1lbs (<0.5kg) Including Battery	Display	4.3" 800x400 TFT LCD Touchscreen		
Power Supply Format European Battery Lifetime >12 Hours Continuous Test Battery 3.7V, 4Ah Li ION Weight <1.11bs (<0.5kg) Including Battery	Power Supply	AC to DC 100-240VAC, 50/60Hz		
Battery 3.7V, 4Ah Li ION Weight <1.1lbs (<0.5kg) Including Battery	Power Supply Format			
Weight <1.11bs (<0.5kg) Including Battery Size 6.8"x 4.3"x 1.8" (173mm x 109mm x 45mm) Data Internal Storage 8GB (>200,000 Curves) Interface USB Type C, 8GB SD Card	Battery Lifetime	>12 Hours Continuous Test		
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Internal Storage 8GB (>200,000 Curves) Interface USB Type C, 8GB SD Card Environmental	Size			
Interface USB Type C, 8GB SD Card	Data			
Environmental	Internal Storage	8GB (>200,000 Curves)		
	Interface	USB Type C, 8GB SD Card		
Operational Temperature -10°C to +50°C	Environmental			
	Operational Temperature	-10°C to +50°C		

*Specifications subject to change without notice

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