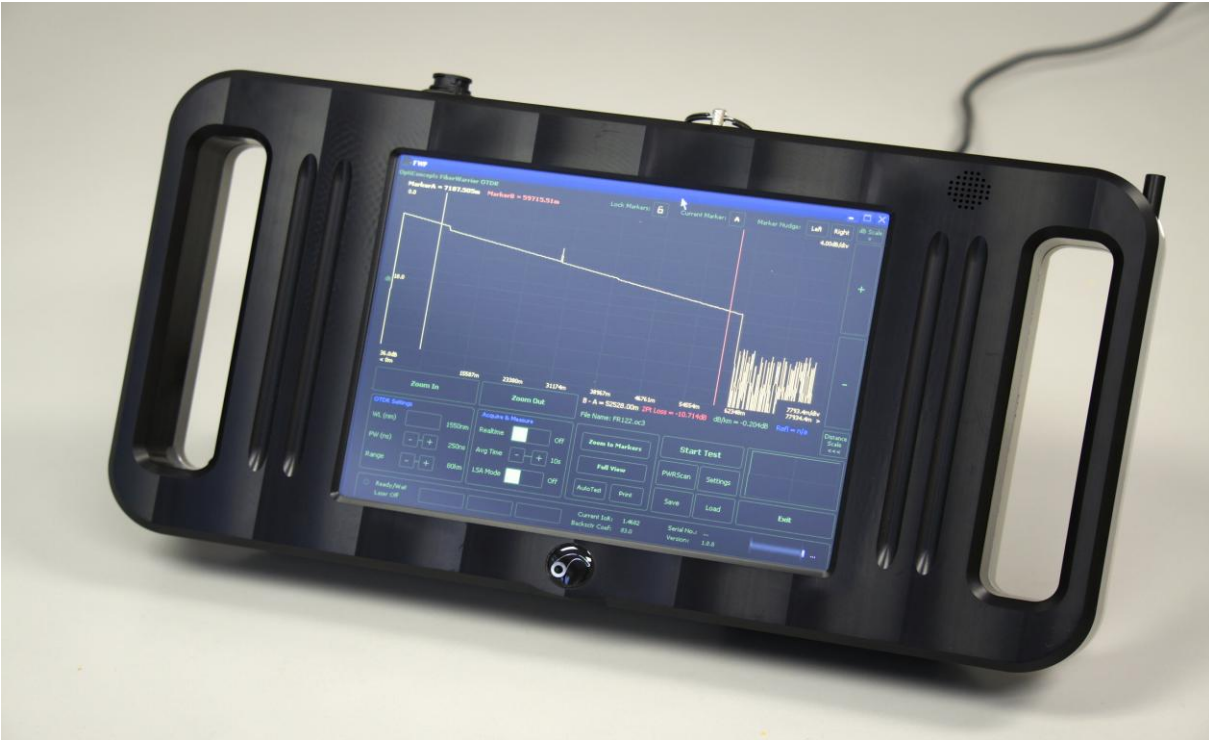


OptiConcepts FiberWarrior Pro™ OTDR



Key Features & Benefits

- Combines Field Ruggedness with Lab Grade Precision
- Modular Design Supports Multiple Interchangeable Test Systems
- High-Quality, Sunlight Readable 8.4" Active TFT Color Touch Screen
- High-Quality Housing with Integrated Side Grips
- Fast Intel Atom Processor with Windows XPe or Linux OS
- Intuitive Control Functions via the Touch Screen for Ease of Use
- Advanced PWRScan™ Event Detection Algorithms for Accurate Reporting
- Integrated Wi-Fi for Easy Network Connectivity

Markets & Applications

- Telecommunications
- LAN/WAN
- CATV
- Military & Government
- FTTx/PON Testing Compliance
- Wireless
- OEM/Lab/Manufacturing Environments
- Education
- Server Monitoring Systems
- Medical
- Metro Networks
- Enterprise Networks

Overview

OptiConcepts FiberWarrior Pro™ OTDR offers a state-of-the-art system for testing, troubleshooting, and documenting optical fiber networks. Combining a high performance processor, sophisticated signal processing, and an advanced software design, the FiberWarrior provides users with a high quality solution for analyzing optical fiber in both the field and lab. The modern design allows for easy portability, storage, and reduced bench-top space.

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FiberWarrior Pro™ OTDR



Specifications

Physical				
	<i>without battery</i>		<i>with battery</i>	
Weight	5.65 lbs	2.57 kg	7.35 lbs	3.34kg
Dimensions	13.5 x 7.0 x 2.05 in (34.29 x 17.78 x 5.2 cm)			
Exterior Construction	Hybrid Anodized Aluminum/Acetal Shell			
Environmental				
Operational Temperature	0° to 50°C			
Storage Temperature	-20° to 60°C			
Humidity	≤95% RH, Non Condensing			
Electrical				
Power Requirements	AC, 100-250VAC, 50-60Hz			
Battery	14.4V 5.6WH Li-Ion, Rechargeable, Removable			
Battery Life	Up to 8 hrs, depending on usage			
Display	8.4" Color TFT LCD			
User Input Device	Resistive Touch Screen			
Computing				
Processor	Atom N455 Class Processor			
Operating System	OptiLin™ Linux or WindowsXP®			
Storage	16Gb (larger options available by request)			
RAM	1Gb			
Ports and Outputs	(2) USB, Ethernet, Audio Speaker			
Stylus	Custom Stylus with integrated snap holder			
Wireless	Wi-Fi compatible			

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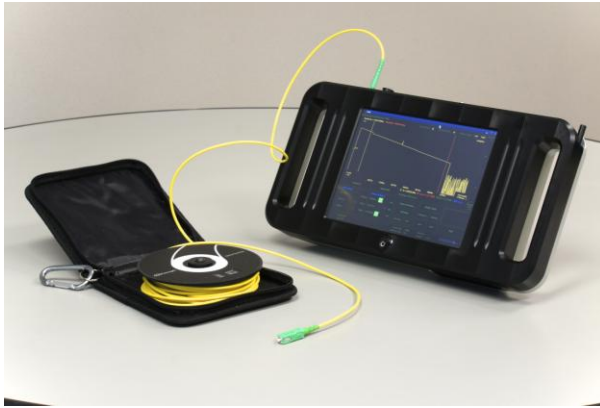
Specifications

OTDR	
Wavelengths Available (±20nm)	MM: 850/1300nm; SM: 1310/1490/1550/1625nm
Dynamic Range	MM: 25/25dB; SM: 30-44dB, typical, SNR=1
Pulsewidth Range	MM: 10ns to 1µs; SM: 10ns to 20µs
Loss Resolution	0.001dB
Linearity	±0.05dB/dB
Distance Range:	
Single-mode 40dB+ (km)	5, 10, 20, 40, 80, 160, 240, 320, 520
Single-mode 30-38dB (km)	5, 10, 20, 40, 80, 160, 240, 320
Multimode (km)	5, 10, 20, 40, 80
Event Deadzone	<3m
Attenuation Deadzone	<12m
Sample Points	16,000 to 64,000 depending on configuration
Min. Trace Storage Capacity	>300,000
Index of Refraction Range	1.4000 to 1.7000
Distance Measurement	Dual Cursor
Distance Accuracy	±1m, ±sampling resolution (excl. IoR uncertainties)
Loss Measurement	PWRScan™, 2-PT, LSA
Display Range	36 to 50dB (depending on model)
Reflection Accuracy	±2dB
Display Resolution	0.01dB
Power Meter and Light Source	
Wavelength Range	800-1700nm
Calibrated Wavelengths	850,1300,1310,1550,1625nm
Detector Type	InGaAs
Resolution	0.01dB
Accuracy	±0.20dB
Stability	±0.05dB
Linearity	±0.05dB
Source	
Wavelengths	850/1300nm (MM), 1310/1450/1550/1625nm (SM)
Output Power	-10dBm (SM)
Stability	±0.05dB
Visual Fault Locator (Class 2 Laser)	
Wavelength	650nm ±25nm
Output Power Level	<1mW

All specifications are typical and subject to change without prior notification.

OptiConcepts FiberWarrior Pro™ OTDR

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Detailed Information

The elegant design of the FiberWarrior OTDR features a high-quality 8.4" TFT LCD touch screen that allows the best possible user experience by providing an interface that is easy to view in both dark and bright environments (including sunlight) and vivid, high-contrast color to easily identify specific network elements and user controls. The centrally positioned screen fills the front of the unit while visually optimizing graphs, tables, and other technical information through the carefully designed interface. Grips on either side of the display allow the user to easily handle the unit. For bench top or lab use, the units come with a kickstand which can be removed providing access to mounting holes allowing use of standard LCD mounts. The customizable touch screen further enhances and simplifies usability by eliminating cumbersome buttons and controls.

Last, but certainly not least, is the expandability of the FiberWarrior OTDR platform to include many other testing modules, including power meters and optical sources. The scalable design will significantly reduce the cost of future testing requirements as well as simplify and reduce additional training necessary with other stand-alone optical test solutions. What's more, the USB ports, Ethernet port, and Wi-Fi capability instantly allow a virtually unlimited number of devices and connectivity methods to save traces, network, print, and email to assist and enhance the optical testing experience.

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FiberWarrior Pro™ OTDR



Ordering Information

OptiConcepts OTDRs may be ordered in one of two ways, in a Kit or customized with components to fit application needs.

Option 1 - Ordering a Kit (OptiConcepts OTDR Kits come with everything needed to start testing right out of the box.)

Standard Kits - OTDR, Module with FC Connector Interface, Soft Case Launch Cord, Rechargeable Battery, and Hard Transit Case. This kit is ideal for Bench Top/Lab or field testing.

Kit Part Number	Descriptions
FWK-SMM1	OTDR Multimode 850/1300nm 25dB Dynamic Range, Soft Case Launch Cord, Rechargeable Battery, Hard Transit Case
FWK-SSM1	OTDR Single-mode 1310/1550nm 32dB Dynamic Range, Soft Case Launch Cord, Rechargeable Battery, Hard Transit Case
FWK-SSM2	OTDR Single-mode 1310/1550nm 40dB Dynamic Range, Soft Case Launch Cord, Rechargeable Battery, Hard Transit Case
FWK-SQD1	OTDR Quad 850/1300nm MM 25dB Dynamic Range & 1310/1550nm SM 32dB Dynamic Range (2) Soft Case Launch Cords, Rechargeable Battery, Hard Transit Case

Premium Kits - OTDR, Module with FC Connector Interface, Soft Case Launch Cord, Battery, Handheld VFL, Light Source & Power Meter, and Hard Shell Transit Case. This kit is ideal for field testing, troubleshooting, and rugged transport.

Kit Part Number	Descriptions
FWK-PMM1	OTDR Multimode 850/1300nm 25dB Dynamic Range, Soft Case Launch Cord, Rechargeable Battery, Handheld VFL, Light Source & Power Meter, and Hard Shell Transit Case
FWK-PSM1	OTDR Single-mode 1310/1550nm 32dB Dynamic Range, Soft Case Launch Cord, Rechargeable Battery, Handheld VFL, Light Source & Power Meter, and Hard Shell Transit Case
FWK-PSM2	OTDR Single-mode 1310/1550nm 40dB Dynamic Range, Soft Case Launch Cord, Rechargeable Battery, Handheld VFL, Light Source & Power Meter, and Hard Shell Transit Case
FWK-PQD1	OTDR Quad 850/1300nm MM 25dB Dynamic Range & 1310/1550nm SM 32dB Dynamic Range (2) Soft Case Launch Cords, Rechargeable Battery, Handheld VFL, Light Source & Power Meter, and Hard Shell Transit Case

(Ordering continued on next page)

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FiberWarrior Pro™ OTDR

Option 2 - Order by the component to customize the unit to the needs of the application.

1. Select One Mainframe Part Number

Part Number	Description
FWP-MFRN	OTDR Mainframe Industrial Unit
FWP-MFRB	OTDR Mainframe with Rechargeable Li-Ion Battery

2. Select the Module using the OptiConcepts Module Spec Sheet or contact OptiConcepts for help with module selection

3. Select accessories

Part Number	Description
FWA-CASE	Hard Shell Case with Wheels and Retractable Handle
FWA-KEYB	Flexible US Style Keyboard
FWA-CHAR	Car Charger
FWA-VFL5	Handheld Visual Fault Locator 500
FWA-WAR1	1 yr Extended Warranty (total of 2 years warranty)
FWA-WAR2	2 yr Extended Warranty (total of 3 years warranty)
FWA-5001	100m 50µm MM Launch Cord in Soft Case ⁽¹⁾
FWA-5002	100m 50µm MM Launch Cord in Hard Case ⁽¹⁾
FWA-6201	100m 62.5µm MM Launch Cord in Soft Case ⁽¹⁾
FWA-6202	100m 62.5µm MM Launch Cord in Hard Case ⁽¹⁾
FWA-SM01	305m Single-mode Launch Cord in Soft Case(1)
FWA-SM02	305m Single-mode Launch Cord in Hard Case(1)
FWA-LCR2	One-click tip style cleaner for 1.25mm ferrule connectors (800 cleanings)
FWA-SCR1	One-click tip style cleaner for 2.5mm ferrule connectors (800 cleanings)
FWA-INSP	Inspection scope with 200-400X magnification (Includes IEC acceptance software and 4 adapters)

(1) Specify launch cord connector types when placing an order

Quality Statement

OptiConcepts is committed to providing high quality, easy to use test equipment by integrating customer needs into world-class engineered products and systems.



designed and built in the USA

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