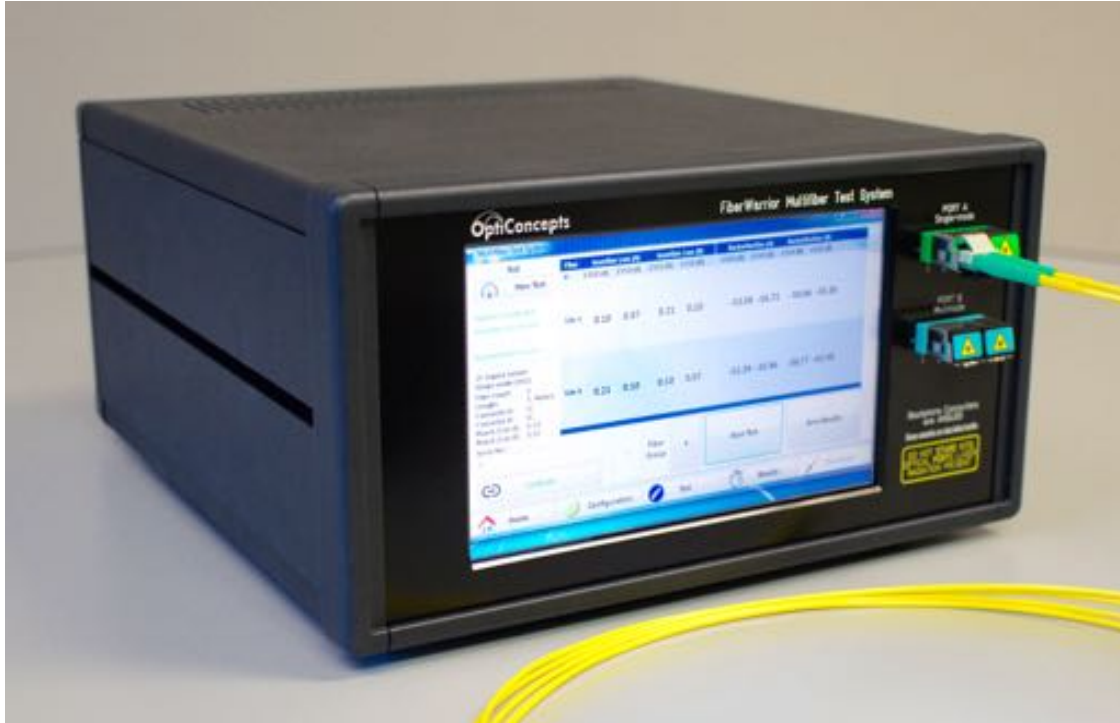


# OptiConcepts FiberWarrior Pro™ Duplex Test Set with Integrated CPU



## Key Features & Benefits

- Ability to Test Simplex and Duplex Cable Assemblies
- Simultaneous Insertion Loss and Backreflectance Testing on All Connectors of Assembly Under Test
- Multimode and Single-mode Versions Available
- Easy-to-Use Setup, Test Process, Saving of Test Results and Printing Labels
- Integrated Dual Wavelength Source, Meter Array, Switch, and Optics

## Markets & Applications

- Telecommunications
- LAN/WAN
- CATV
- Enterprise Networks
- FTTx/PON Testing Compliance
- OEM/Lab/Manufacturing Environments
- Military & Government
- Medical
- Cable Assembly Production
- Metro Networks

## Overview

The OptiConcepts FiberWarrior Pro™ Duplex Test Set with Integrated CPU offers a state-of-the-art system for testing, troubleshooting, and documentation of connectorized cable assemblies. The system provides fast and accurate measurement of insertion loss and backreflectance of multifiber cable assemblies such as LC, SC, ST, and FC connectors. Test results can be quickly saved and printed using the intuitive FiberWarrior Pro software interface. Data can be easily transferred and shared via Ethernet, USB, or Wi-Fi.

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**FiberWarrior Pro™ Duplex Test Set with Integrated CPU**



**Specifications**

<b>Physical</b>	
Weight	10.9 lbs (4.9kg)
Dimensions	10.25 x 11 x 5.25 in (26 x 27.9 x 13.3cm)
<b>Computing</b>	
Processor	Intel Celeron Class J1900 Processor
Operating System	Windows7® Embedded
Storage	32Gb (larger options available by request)
RAM	4Gb
Ports and Outputs	(4) USB, Ethernet, VGA Output, HDMI
<b>Environmental</b>	
Operational Temperature	0° to 50°C
Storage Temperature	-20° to 60°C
Humidity	≤95% RH, Non Condensing
<b>Electrical</b>	
Power Requirements	AC, 100-250VAC, 50-60Hz
Display	7" Color TFT LCD
User Input Device	Resistive Touchscreen
<b>Optical</b>	
Wavelengths	MM - 850/1300nm, SM - 1310/1550nm (+/-20nm)
Measurement Time*	Less than 10 seconds
Insertion Loss Resolution	0.01dB
Fiber Type	62.5µm, 50µm, SM (OM1, OM2, OM3, OM4, OS1, OS2)
Channels	2
Insertion Loss Accuracy	±0.10dB
Min Back Reflection Return Loss Range	-30 to -70db
Return Loss Accuracy	±1dB
Channel Repeatability	±0.05dB
* insertion and backreflection at both wavelengths	

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

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## FiberWarrior Pro™ Duplex Test Set with Integrated CPU



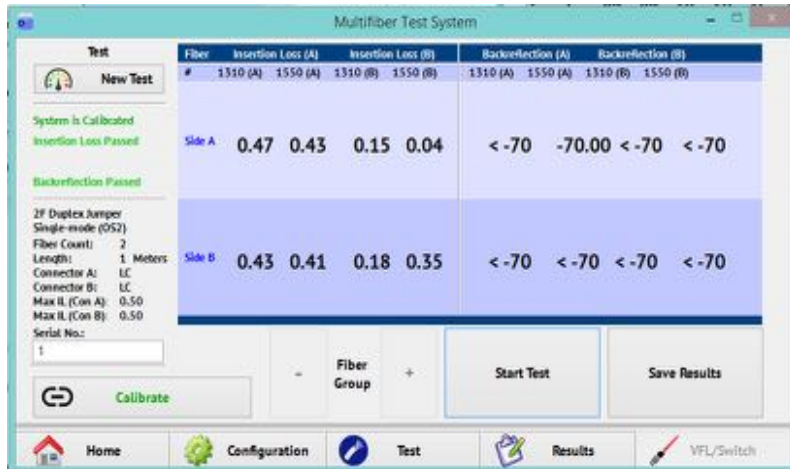
### Detailed Information

The OptiConcepts FiberWarrior Pro Duplex Test Set allows efficient testing of simplex and duplex fiber optic cable assemblies including FC, LC, SC, and ST connector variations. Using a proprietary integrated dual wavelength source and receiver, insertion loss and backreflection data can be simultaneously displayed on the FiberWarrior's TFT display. A complete set of test results is displayed to the user within seconds. Using the proprietary FiberWarrior Pro Duplex software, customer information can be added and stored within a given saved test result. This capability allows for complete product and performance traceability using serialized or custom numbering methods. For added convenience, various fiber count assemblies can be stored under a single file. Pass/Fail criteria can be easily tracked through the use of pre-set values and colors to denote passing and failing results.

Four USB ports allow connection to peripheral devices such as keyboards, mice, and USB memory sticks. Test results can easily be printed by connecting an OptiConcepts optional printer or transferred via USB devices. In addition to convenient printing options, using the Export to Excel feature allows test results to be imported directly into a Microsoft Excel spreadsheet. Connection to the internet or an internal network is accessible through the integrated Ethernet port or wirelessly via Wi-Fi. Increase productivity and greatly reduce downtime with this multi-functional test set.



Rear Panel Ports



FiberWarrior Pro Duplex Test Results Screen

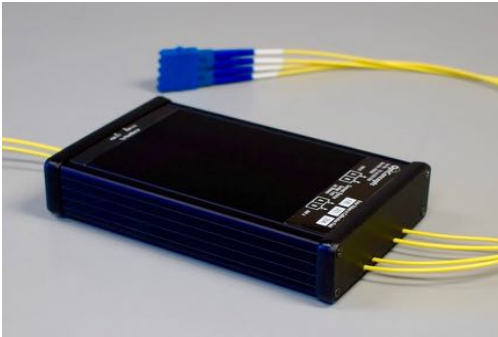
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## FiberWarrior Pro™ Duplex Test Set with Integrated CPU



### Ordering Information

Part Number	Description
Duplex Test Set	<b>Note: Test Sets Require Launch Cords - one per fiber type/connector type under test</b>
TSW-DSA-LA	Single-mode Duplex Test Set with Integrated CPU, includes Power Meter with 1310/1550nm Light Source, LC Angled Connector Ports, Fast Insertion Loss
TSW-DMA-LA	Multimode Duplex Test Set with Integrated CPU, includes Power Meter with 850/1300nm Light Source, LC Angled Connector Ports, Fast Insertion Loss
TSW-DSB-LA	Single-mode Duplex Test Set with Integrated CPU, includes Optical Source and Receiver, LC Angled Connector Ports, Insertion Loss with Backreflection
TSW-DMB-LA	Multimode Duplex Test Set with Integrated CPU, includes Optical Source and Receiver, LC Angled Connector Ports, Insertion Loss with Backreflection
<b>Accessories</b>	
TSW-PRNT	FiberWarrior Pro Thermal Printer and 1 Roll Starter Labels
TSW-TCASE	Deluxe Hard Shell Transit Case with Custom Foam
TSL LAUNCH CABLE	Calibrated Duplex Launch Cable in various connector styles and fiber types



**FiberWarrior Pro Duplex Launch Cables™** are required for FiberWarrior Duplex Test Sets. Launch Cables are available in various single-mode and multimode connector arrays. Duplex Launch Cables are plugged directly into the test set. These calibrated cables are easily interchangeable with other Duplex Launch Cables to optimize the entire testing process of simplex and duplex fiber optic cable assemblies. Refer to Fiber Warrior Pro Duplex Launch Cable specification sheet.

### 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.



OptiConcepts, Inc. • Hickory, NC 28601 USA • Tel: 828.320.0138 • Fax: 828.874.6474 • www.opticoncepts.com • email: info@opticoncepts.com

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