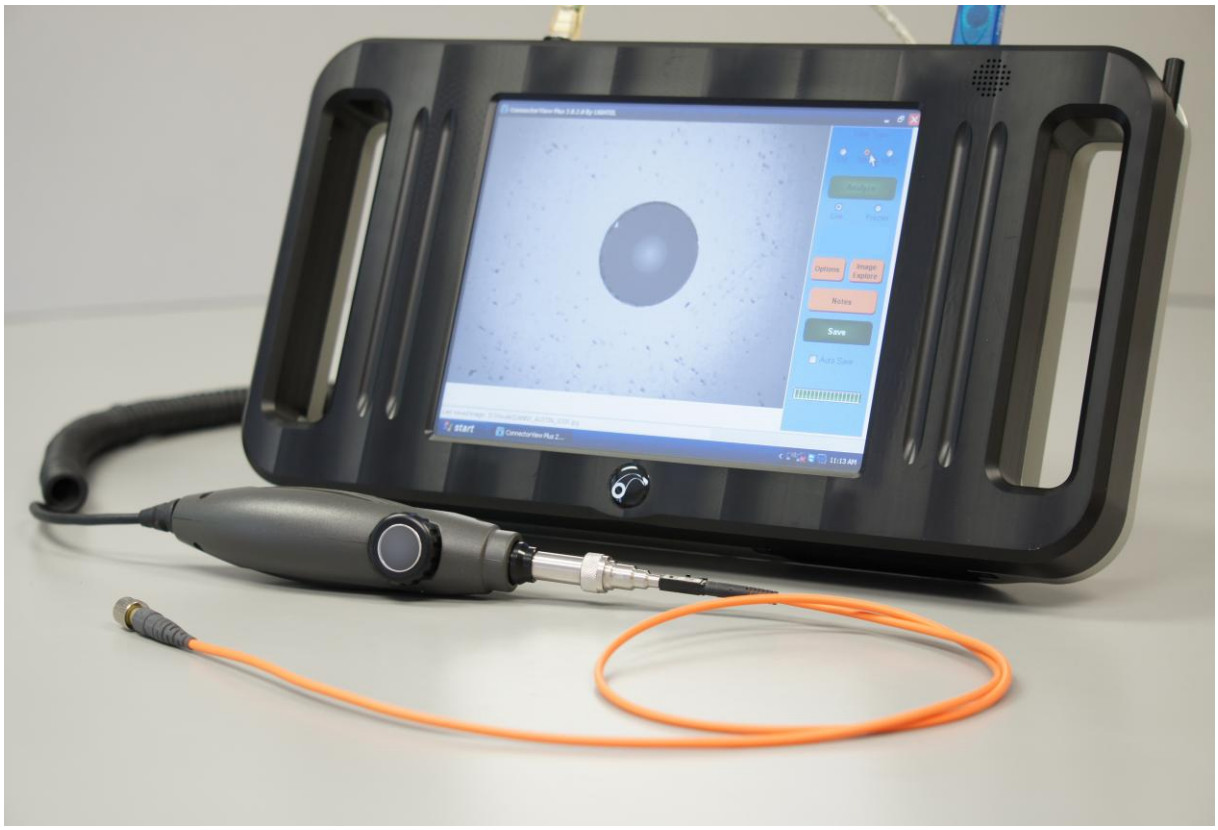
OptiConcepts

FiberWarrior Pro™ Optical Connector Inspection System



Key Features & Benefits

- Fast Focus
- Inspect End Faces on Jumpers and in Bulkheads
- Direct USB Connection
- Built-in Image Capture Function
- Digital Zoom
- Pass/Fail Analytical Software Option

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

The FiberWarrior Pro™ Optical Connector Inspection System features easy single finger focusing with a built-in image capture and detectable resolution to 0.5µm. The system includes standard software that provides image display, image capture, digital zoom, auto calibration, and basic analysis tools. Pass/Fail analysis and reporting features are optional software features.

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Specifications

Scope	
Magnification	~400x (Lower magnification optional)
Dimensions	35mm diameter x 175mm length
Field of View	~425µm x 320µm
Resolution	0.5µm detectable
Operational Temperature	0° to 50°C
Storage Temperature	-20° to 70°C
Focus	Manual Adjustment, 2mm max travel
Light Source	Blue LED
Power Supply	USB Port

FiberWarrior Pro Mainframe **Physical**		
	without battery	*with battery*
Weight	5.65 lbs (2.57kg)	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	
Operational Temperature	0°to 50°C	
Storage Temperature	-20° to 60°C	
Humidity	≤95% RH, Non Condensing	
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	
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	

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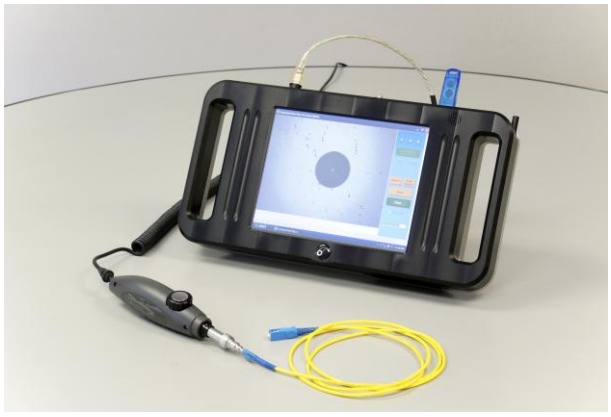

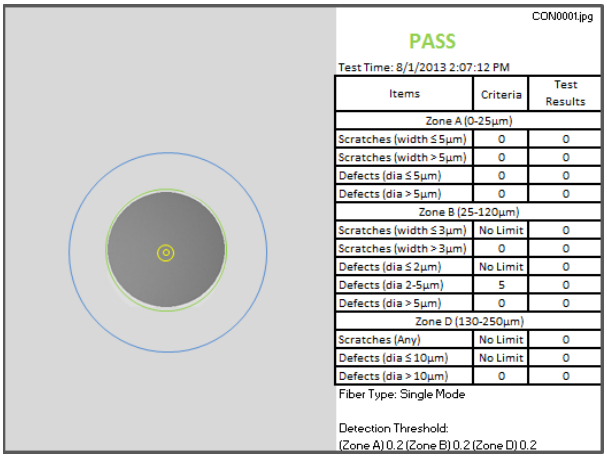

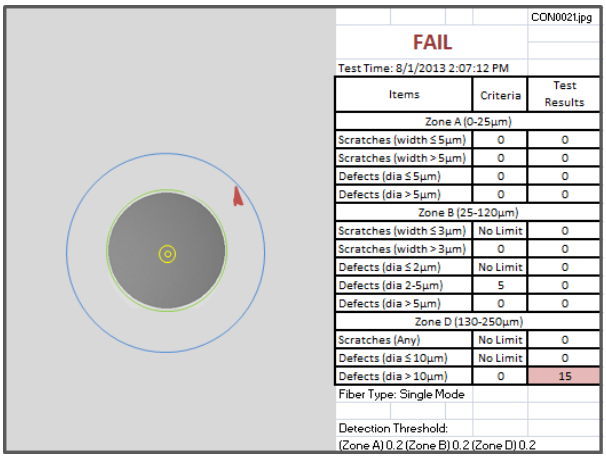

Detailed Information

The modern design of the FiberWarrior Pro™ Inspection System features a 400x digital microscope probe that makes fiber optic end face inspection quick and easy. The probe plugs into the USB port of the FiberWarrior Pro Mainframe. A high-quality 8.4" TFT LCD touch screen provides an interface that is easy to view in both dark and bright environments (including sunlight) with vivid, high-contrast color to easily identify specific network elements and user controls.

The process for using the probe is simple. Slide the end of the probe over the tip of the connector to be inspected making sure the probe fully seats on the connector, adjust the focus knob of the probe (if necessary) and the image appears on the screen. There are various tips for 2.5mm connectors and 1.25mm connectors, and also APC tips for angled connectors.

The ergonomic design of the probe enables the user to inspect a number of connectors in a system efficiently with little effort. Optional acceptance software can provide quick Pass/Fail results. Use of the Mainframe memory allows saving results and helps the user document the status of a network.

Dirty end faces are the number one cause for inspection failure so cleaning should be made a priority. Contact OptiConcepts for recommendations on connector cleaning materials.

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Ordering Information

Order (1) Mainframe, (1) Probe Kit, and Accessories

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

Part Number	Description
FW-SCOPE-B2	USB2.0 Digital Inspection Probe Kit
	The Probe Kit above includes the following: USB2.0 Digital Inspection Probe Universal Tip for 2.5mm Male PC Connectors Universal Tip for 1.25mm Male PC Connectors SC/FC Female PC Connector Tip LC Female PC Connector Tip Soft Carry Case Standard Probe Inspection Software

Optional Accessories

Part Number	Description
FWI-TIP1-ST	ST Female PC Connector Tip
FWI-TIP1-FA	FC Angled Female Connector Tip
FWI-TIP1-SA	SC Angled Female Connector Tip
FWI-TIP1-LC	LC Female PC Connector Tip
FWI-TIP1-LA	LC Angled Female Connector Tip
FWI-TIP1-MR	MTRJ Connector Tip
FWI-TIP1-MT	MPO Connector Tip
FW-SOFT-U1	Optional Software Upgrade for Automated Pass/Fail Feature

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.

CE

designed and built in the USA

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