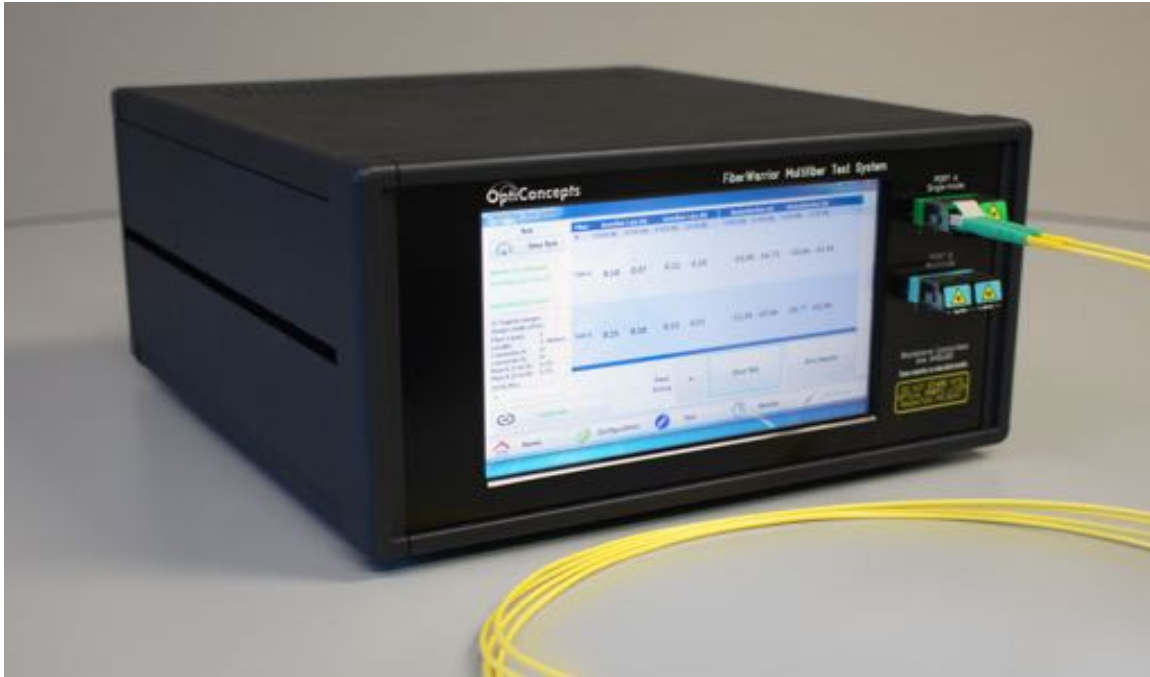


OptiConcepts FiberWarrior™ Optical Delay System

OptiConcepts



Key Features & Benefits

- High Degree of Accuracy and Repeatability of Time Delay
- Custom Fiber Length Discrete Delay Configurations
- Various Time Delay Switching Options
- Easy to Use Setup and Test Process
- Convenient Access to Transmit and Receiver Ports
- Designed for Bench Top use in Lab Environments
- Optional On-Screen Graphical User Interface

Markets & Applications

- Radar and Microwave
- Wireless
- Signal Processing
- Military and Government
- OEM
- Lab Environment
- Manufacturing
- Research and Development

Overview

The FiberWarrior Optical Delay System is used to create optical time delays in conjunction with RF, microwave, signal processing, time domain and applications in test, simulation, and developmental lab environments. The FiberWarrior Delay System allows various time delay switching options through FiberWarrior interface controls. Up to sixteen internal custom delay channels are available. Input and output ports are accessed via a panel where optical signals are introduced and obtained from the system. The Optical Delay System is housed in a sturdy aluminum housing with an optional on-screen graphical user interface. Each FiberWarrior Optical Delay System is built to meet specific customer application requirements.

OptiConcepts FiberWarrior™ Optical Delay System



Specifications

Physical

Dimensions:	6.97 x 12.6 x 11.02 in (17.7 x 32 x 28 cm) 7.9 x 17.7 x 13.8 in (20.7 x 45 x 35 cm) 10.25 x 11 x 5.25 in (26 x 28 x 13.3 cm)
Optical Connector Ports:	MTP, LC, SC

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
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Optical

Wavelengths:	800-1700nm
Insertion Loss:	Max: 1.0dB + delay attenuation
Return Loss (typical):	Single-mode ≥50dB Multimode ≥30dB
Fiber Type:	62.5μm, 50μm, or Single-mode
Delay Length Accuracy:	< 1%
Delay Line Channels:	2-16
dB Repeatability:	≤ ±0.05dB
Switching Durability:	≥10 million cycles
Switching Time:	10 ms (adjacent channels)
Maximum Input Optical Power:	≤ 500mW

All specifications are typical and subject to change.

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.

