



# FIBERLINK®

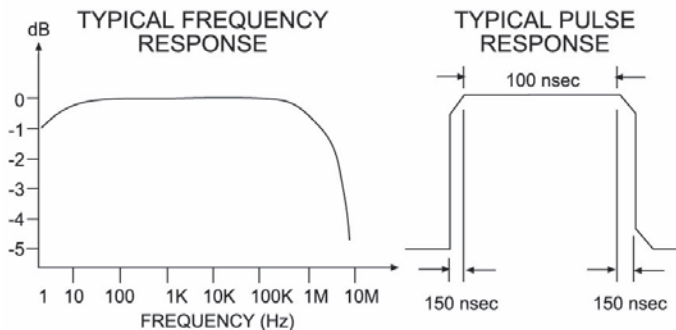
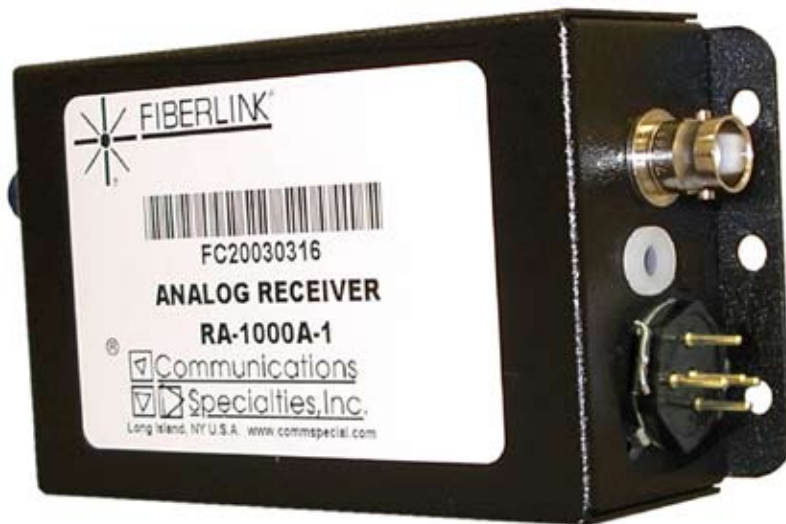
Designed & Manufactured by  
CSI New York

## XA/RA-1000A

Provides point-to-point fiber optic transmission of analog signals for general purpose instrumentation

### Ideal Applications:

Military and Aerospace Industries.



Signal	Channels	Direction
DC to 1Mhz	1	→

### Features

Transmits analog signals, DC to 1 MHz, for general instrumentation purposes

Transmits over standard 50 or 62.5 micron multimode fiber at 850 or 1310 nm wavelength

System consists of transmitter and receiver unit. Each end, plus power supply, must be purchased separately

Transmitter and receiver each feature gain and DC offset controls that allow any analog waveshape with specific DC levels to be accommodated over the entire operating bandwidth with minimum distortion

Hi/low input impedance selector

One millivolt noise floor

AP-1000 adaptor plate enables mounting of units in MCR-1000A rackmountable card cage. Each unit fills one slot in cage

### Ordering Information

Part Number	Description	Fiber Cores
XA-1000A-1	Transmitter Box, 850 nm, Multimode	1
XA-1000A-3	Transmitter Box, 1310 nm, Multimode	1
RA-1000A-1	Receiver Box, 850 nm, Multimode	1
RA-1000A-3	Receiver Box, 1310 nm, Multimode	1
MCR-1000A*	Rackmountable Card Cage	
AP-1000	Adaptor plate for mounting unit in MCR-1000A card cage	
XP-1000A	115 volts AC, 50/60 Hz plug-in adaptor	
XP-1001	230 volts AC, 50/60 Hz plug-in adaptor	

\*This system can be mounted in an MCR-1000A rack using an AP-1000 adaptor plate for each module to be mounted.

### Sales



**CSI** Communications  
Specialties, Inc.

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## Data Specifications

Number of Channels	1
Transmitter Input Impedance	10 k/50 Ohms, selectable
Maximum Input Voltage	3 V pp
Maximum DC Offset	± 3 V
Absolute Maximum Input Voltage	10 V pp
Dynamic Range	70 dB typical
Linearity (10 Hz to 1 MHz)	+2.5% typical
Noise Floor (0 input, full BW)	1 mV rms typical
Maximum Output Voltage	3 V pp
Output Load Impedance	50 Ohms minimum
DC Offset (after 30 minute warm-up)	10 mV/degree C typical
Signal Connectors	BNC

## General Specifications

Number of Fibers	1
Operating Temperature	0 to +50° C
Operating Power (per unit)	±15 to ±25 volts DC @ 250 mA or +14 to +18 volts AC, 50/60 Hz
Dimensions	2.55 W x 1.35 H x 4.75 L (inches) 65 W x 34 H x 121 L (mm)
Weight	approx. 1 lb.; 0.45 kg
Optical Connectors	ST
Optical Wavelength	850 or 1310 nm
Optical Fiber	50 or 62.5 micron multimode fiber

## About CSI

Communications Specialties, Inc. (CSI) is an award-winning manufacturer of Pro A/V products for the distribution, conversion or transmission of television and computer video signals, including fiber optic transmission systems, scan converters and video scalars. The company was founded in 1983 by veterans of the broadcast industry. Since then, CSI has managed to consistently design innovative products that are used worldwide by Fortune 500 Companies in a variety of markets such as Broadcast/Professional A/V, Video Conferencing, Education, Home Theater, Security, ITS, Industrial Monitoring, and more!

**Also from CSI: Scan Do® Scan Converters and Deuce® Video Scalars**



**GSA** Schedule  
Contract GS-03F-5063C

## Operating Loss Budget & Maximum Usable Distance\*

Fiber Type	Loss(dB)
50 micron	0-8
62.5 micron	0-10

For system to operate properly, operating loss budget must not be exceeded.

## Want to learn more about fiber?

Log on to [commspecial.com](http://commspecial.com)  
for fiber related resources written  
for Pro A/V Professionals by  
Pro A/V Professionals!



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guarantee and a three-year limited  
warranty on parts and labor.  
See website for terms and conditions.

## Sales



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