

SINGLE CHANNEL ANALOG FIBER SYSTEM

(COMMONLY USED IN INSTRUMENTATION MONITORING APPLICATIONS)

Features:

- ◆ 1.0 Vpp Analog I/O, DC Coupled I/O
- ◆ Diagnostics: I/O Presence, DC Power, Digital Frame Sync, OLI
- ◆ Available with Enhanced "Afinety" Intelligent Monitoring System
- ◆ 10 Bit Digital Transmission
- ◆ Serial Digital Transmission

Specifications:

Video:

I/O Level1.0 Vpp
 I/O Impedance 75 Ohms
 Bandwidth DC to 5 MHz
 SNR (RS250B Weighted)67 dB
 Connector.....BNC

Optical:

Wavelength.....1310nm
 Loss Budget (62.5/125µ)..... 12 dB
 Transmission Distance..... 4 km
 Connector.....ST

Temperature (Operating)

-40°C to +75°C, non-condensing

Power Supply:

Module – 12 VDC (AFI Part # PS-12D)
 Rack Card – AFI SR 20/2

Size:

Module – 8 1/8" x 4 1/8 x 1 1/8 "
 Rack Card requires - 1 rack slot– 6 1/2"x5"x1"

Product Ordering Information:

MT-910C-A Module Transmitter
 MR-910C-A Module Receiver
 RT-910C-A Rack Card Transmitter
 RR-910C-A Rack Card Receiver



The American Fibertek 910C-A Series transmits a 0 to 1.0 Vpp analog signal on a multimode optical fiber up to 4km. The analog signal operates over a bandwidth of DC to 5 MHz. The analog signal is digitized with a 10 bit analog to digital converter prior to modulating the optic which provides excellent signal to noise ratios over the entire optical loss budget.

This system requires no field adjustments at installation or additional maintenance thereafter.

Diagnostic indicators provide a quick visual indication of system status. Equipment may be ordered as stand alone modules or rack cards that are mounted in the American Fibertek Card Cages: SR-20/2 or SR20H/2 (redundant power supply option).

