

1300 SERIES MULTIMODE



Single Fiber Bi-directional Transceivers One-Way Video & Two-Way RS232



FEATURES:

- Video and Two-Way RS232 Utilizing One Multimode Optical Fiber
- Compatible with NTSC; RS-170A & RS-343A and PAL
- Diagnostics: Video, Power and Optical Presence
- 24 VAC Standard or 12 VDC Option
- Full Color Transmission

PRODUCT ENHANCEMENTS:

- Additional bi-directional features available for audio, data or contact closure - choice of one.

SPECIFICATIONS:

Video:

I/O Level.....	1 Vpp
I/O Impedance.....	75 Ohms
Bandwidth.....	8 MHz
Differential Gain.....	4%
Differential Phase.....	4°
SNR.....	63 dB
Connector.....	BNC

Data:

Data Rate.....	Up to 19.2 Kbps
Data Connectors.....	5 pin screw terminal

Optical:

Wavelength.....	850/1300 nm
Loss Budget (62.5/125µ).....	12 dB
Connector.....	ST

Temperature (Operating):

-20C° to +70°C, non-condensing

Power Supply:

Module - 24 VAC (AFI Part #: PS-24)
12 VDC available upon request, consult factory
Rack Card - (See AFI Part #: SR-20/2)

Size:

Module - 6¾" x 5¾" x 1¾"
Rack Card requires one rack slot - 6½" x 1" x 5"

ORDERING INFORMATION:

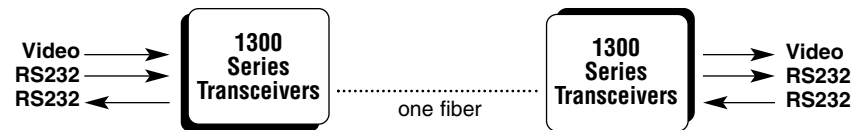
MT = Module Transmitter - Video Source
MR = Module Receiver - Control Site
RT = Rack Card Transmitter - Video Source
RR = Rack Card Receiver - Control Site

Example: MT-1300 to RR-1300

The American Fibertek 1300 Series transmits high-quality, simultaneous video and bi-directional RS232 on one multimode optical fiber.

An additional bi-directional audio, data, or contact closure option may be added for

enhanced applications. These systems require 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 SR-20R/1.



PRODUCT ENHANCEMENTS:

- 1300-EL Series** - Video One-Way _____
 - 1 - channel of bi-directional RS232
 - System capable of 19 dB optical loss budget
- 1320 Series** - Video One-Way _____
 - 1 - channel of bi-directional RS232
 - 1 - channel return AD or Bosch Code
 - see product series 1230B*
- 1330 Series** - Video One-Way _____
 - 2-channels of bi-direction RS232
- 1340 Series** - Video One-Way _____
 - 1 - channel of bi-directional RS232
 - 1 - channel of bi-directional RS422 up to 19.2 Kbps
- 1370 Series** - Video One-Way _____
 - 1 - channel of bi-directional RS232
 - 1 - channel of bi-directional TTL up to 19.2 Kbps
- 1380 Series** - Video One-Way _____
 - 1 - channel of bi-directional RS232
 - 1 - channel of bi-directional audio
 - Bandwidth of 20 Hz to 10 KHz and THD @ 1 KHz of 1%.
 - SNR 55dB, I/O Impedance 600 Ohms balanced.
- 1390 Series** - Video One-Way _____
 - 1 - channel of bi-directional RS232
 - 1 - channel of bi-directional contact closure rated at 100V Max (DC or peak AC) @ 0.5A with a response time of 2 ms

• For singlemode product equivalent to the 1300 series please see the 3300 series product.