

EOTec 2000 Analog Data Link (FOT/FOR)

Features:

- Transmission of 4-20mA or 0-10VDC analog signals over a single fiber optic cable
- No calibration required.
- 0.1% Accuracy
- 30dB Optical Dynamic Range
- Compatible with multi-mode or single mode optical fiber
- De-pluggable screw terminals for all wire connections
- Visible status LED's for **power, over range and under range**
- Available with dual redundant, hot swappable power supplies
- Suitable for mounting on standard 35 mm DIN-Rail
- Operating range of -40 °C to 85 °C, 0-90% RH (non-condensing)
- Dimensions (each module): 45 mm w x 99 mm h x 114 mm d



FOT/FOR Analog Link

Overview

The modular EOTec 2000 fiber optic analog data link provides reliable, lightning immune transmissions of 4-20mA and 0-10VDC signals over a single fiber optic cable. It is an ideal solution for long run cable problems with accuracy of 0.1%. Each transceiver has a single optical port for use with multi-mode or single mode optical fiber at 850 nm or 1300 nm using industrialized ST/SMA connectors. Optional external indicators are available for local monitoring of the input/output signals.

The FOT/FOR will accept power from a 120/240VAC power source when using the EOTec 2A56 power supply, or from an external 24VDC power source connected directly to a screw terminal (shown using both configurations in the above photo).

Applications for this device include long distance transmissions, lightning prone areas and transmissions through hazardous areas.



Model Number	Description
2A56	Power Supply, 120/240VAC, 50/60Hz
2T06	FOT, SMA, 850nm, MM, 0-10VDC
2T07	FOT, ST, 850nm, MM, 0-10VDC
2T09	FOT, ST, 1300nm, MM, 0-10VDC
2T10	FOT, ST, 850nm, MM, 0-10VDC, Hi-power
2T12	FOT, SMA, 850nm, MM, 4-20mA
2T14	FOT, ST, 850nm, MM, 4-20mA
2T18	FOT, ST, 1300nm, MM, 4-20mA
2T20	FOT, ST, 850nm, MM, 4-20mA, Hi-power
2T36	FOT, ST, 1300nm, SM, 0-10VDC
2T46	FOT, ST, 1300nm, SM, 0-10VDC, Hi-power
2T72	FOT, ST, 1300nm, SM, 4-20mA
2T92	FOT, ST, 1300nm, SM, 4-20mA, Hi-power
2R06	FOR, SMA, 850nm, MM, 0-10VDC
2R07	FOR, ST, 850nm, MM, 0-10VDC
2R09	FOR, ST, 1300nm, 0-10VDC
2R12	FOR, SMA, 850nm, MM, 4-20mA
2R14	FOR, ST, 850nm, MM, 4-20mA
2R18	FOR, ST, 1300nm, 4-20mA
2M01	Digital Volt Meter, 3 ½ Digit
2M02	Digital Current Meter, 3 ½ Digit