EOTec 2000
Model 2T46
Analog Link, Fiber Optic Transmitter

The Model 2T46 Fiber Optic Transmitter converts a 0 to 10Vdc analog input signal into optical data. A single glass fiber connects the Fiber Optic Transmitter (FOT) to its mated Fiber Optic Receiver (FOR). These units deliver the highest degree of accuracy over their entire specified ambient temperature range and absolutely no field adjustments are ever required.

The DIN rail mounted unit is available with options for an extended ambient temperature range and a local digital display (see Model 2M01).

SPECIFICATIONS

Mechanical

Mounting: 35mm DIN Rail
Weight/Unit: < 9oz (250g)
Case Material: Plastic (UL94V-0)

Power Requirements: 24Vdc ±10% at 200mA
Wire Cable Connections: Pluggable, Cage-Clamp, Screw Terminal Blocks, accepts 12 to 24 AWG
System Accuracy (FOT+FOR): ± 0.1% maximum, over their entire operational temperature range
System Response Time (FOT+FOR): < 2ms (10% to 90% input step change) transfer rates to 800Hz
Optical Wavelength: 1300nm
Optical Connectivity: ST* compatible
Optical Dynamic Range: 29dB, utilizing 9/125μm, Single-mode Fiber
Analog Input Impedance: 100G Ohms
LED Indicators: Green – PWR, power is applied to the unit
Amber – LOW, analog input signal is below 0Vdc
Amber - OVR, analog input signal is above 10Vdc
Ambient Conditions: -40°C to 85°C Operational
0 to 95% Relative Humidity, Non-Condensing

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