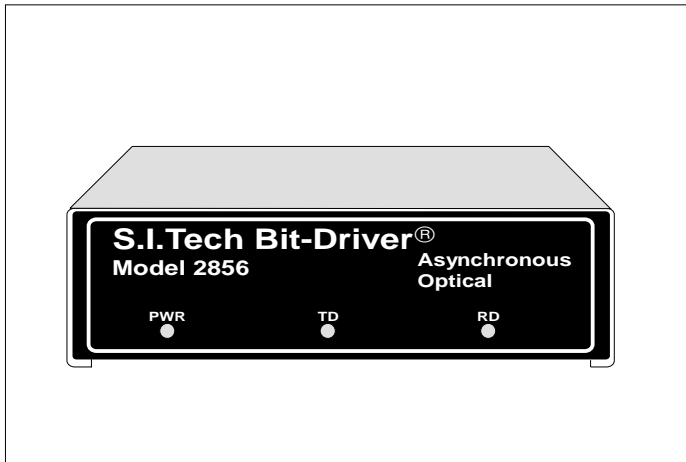


Model 2856



TTL to Fiber Optic Bit-Driver®



S.I. Tech Model 2856 is designed to convert TTL data to a light signal so that information can be transmitted over fiber optics. At the remote end, another 2856 will convert this data from light to TTL format.

- Operation Mode:** Asynchronous, simplex or full duplex, 20 Mbps
- Input/Output Interface:** TTL, 50 or 75 ohm coax. BNC bulkhead jack
- Transmission Line Interface:** 2 ST fiber optic receptacles (SMA option)
- Transmission Distance:** See distance chart
- Transmitter Output Power:** 30 microwatts into 50 micron fiber
- Wavelength:** 820 nanometers (1300 nm option)
- Receiver Wavelength:** 820 nanometers (1300 nm option)
- Minimum Sensitivity:** 3 microwatts @ 820 nanometers
- Bit Error Rate:** 10^{-9}
- Operating Temperature:** 0 °C to 50 °C
- Input Power:** 110 VAC 50/60 Hz
- Metal Enclosure:** 7.5" x 7" x 3" (19 x 17.8 x 7.6 cm)
- Weight:** 3 lbs. (1.36 kg)
- 230 Volt Version:** 2856V
- Mini Version:** 2817-T/R

Meets FCC Requirements of Class A, Part 15 Computing Device Standard. UL & CSA listed. Specifications subject to change without notice.

Operating Distance for Fiber Optic Cable

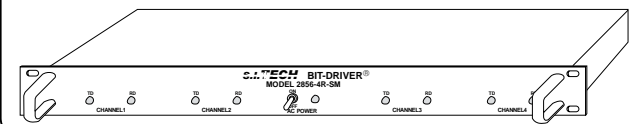
Fiber Size (Microns)	Attenuation (dB/Km)			Distance (Meters)			Distance (Feet)		
	Wavelength (nm)			Wavelength (nm)			Wavelength (nm)		
	850	1300	1550	850	1300	1550	850	1300	1550
50	3.0	1.0	-	2000	6000	-	6600	20000	-
62.5	4.0	1.0	-	2000	6000	-	6600	20000	-
10 SM*	-	0.35	0.25	-	10000	12000	-	33000	40000

* Single mode (1300nm) option
Optical unit connection: Connect the optical transmission line to the T and R receptacles. Note which cable channel goes to T or R by noting cable imprint. On the other end, reverse the connection.

Related Products

Model Numbers

- 2856 TTL to Fiber, Multimode, 110VAC, ST
- 2856-V TTL to Fiber, Multimode, 230VAC, ST
- 2856-SM TTL to Fiber, Single Mode, 110VAC, ST
- 2856-2R TTL to Fiber, 2 Ch Rack Mounted, 110VAC, ST
- 2856-4R TTL to Fiber, 4 Ch Rack Mounted, 110VAC, ST
- 2856-4R-SM TTL to Fiber, 4 Ch Rck Mnt, Single mode, 110VAC, ST



TYPICAL APPLICATION

