



# FIBER OPTIC POWER LIGHT SOURCE

MODEL - FOPS100

This is a low cost high value Fiber Optic LED light source offering premium performance in a rugged compact package. LS8S0 light source include a 850 nm LED, Standard features include Power On Indicator, Low battery detection, extended battery life, and temperature compensating power control circuitry, The fiber optic LED light source utilizes high quality SLED emitter, ensuring a high degree of core fill in standard multimode optical communication fiber. (Somm, 62.Smm, 100mm, 200mm) allowing for consistent and meaningful network attenuation measurements, Typical coupled output power is -17dBm Into 62,Smm core. When used with the M 1 00 Optical Power Meter Series, greater than 4SdB of measurement range is available. Typical applications include datacomm network installations and maintenance testing of multimode fiber optic cable, passive optical component testing, patch chord verification, or other applications requiring the use of a Fiber Optic LED light source.



## SPECIFICATIONS

1. Optical Characteristics : TA = 23°C +/- SoC.
2. Emitter Type : GaAlAs SLED.
3. Central Wavelength : 850nm.
4. Spectral Bandwidth : 50nm.
5. Fiber Coupled Power (Typ.) : -20 dBm (50mm core).  
: -17 dBm (62.Smm core).  
: -13dBm (100mmcore).
6. Po Temperature coefficient : -0.01 dB/°C (Typ.).
7. Connector Style : ST.
8. Environmental Characteristics  
Operating Temperature : -10°C to +50°C.  
Storage Temperature : -55°C to + 70°C.
9. Power Requirements  
Battery Type : 9 V Alkaline.  
Battery Life (Typ.) : 20 Hours.

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

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