

Introduction:

The FD-FS Series of LED Sources are handheld battery powered stabilized dual LED sources. Together with any of Fiberdyne Labs' power meters, this team makes the perfect combination for accurately testing multimode or short haul singlemode optical fiber systems, cable attenuation, point to point connection verification.

Note: The multimode model FD-FS8513A operates at 850/1310nm. The singlemode model FD-FS1316 operates at 1310/1550nm.

Features:

- Low Power Consumption: Each source will operate for more than 20 hours on just two AA batteries.
- All units include a "Low batt" indicator to monitor the state of its AA batteries.
- CW, and 2 - KHz Modulation:
Users can easily select between continuous wave (CW) or 2 - KHz modulation with the push of a single key.
- Stable Power: Each unit is factory set to launch at -20dBm with excellent stability over time.
Single Key Operation: Ease of operation is provided for by single key entry for wavelength selection, and CW or 2 - KHz modulated frequency.

Multimode Specifications:

FD-FS8513-A	
Optical Connector	Dual Port
Source Type	LED
Wavelength (nm)	850+/- 20 1310nm +/- 20
Spectral Width (nm)	50/150
Output Power (dBm)	-20.0 dBm into 62.5 μ m
Modulation	CW, 2kHz
Stability	+/- 0.1dB over 8 hours
Battery Life (Alkaline)	80/120 hrs.
Output Connector	ST, FC, SC
Power	Two AA-size Alkaline or NiCad (opt.)
NiCad Charger (Opt.)	8.7-15 VAC/DC. 150mA, Tip-Positive
Operating Temperature	-10° to +40° C
Storage Temperature	-20° to + 60° C
Size	6.5"H x 3.3" W x 1.3" D (160 x 83 x 33 mm)
Weight	0.56 lbs. (250 g)



**Fiberdyne Labs Model FD-FS8513-A Dual Port, Dual Wavelength,
LED Light Sources 850nm, & 1300nm,
(Recommended for Multimode Applications)**

Item No.	Connector(s)	Charger Included
FD-FS30851310	ST	No
FD-FS30851312	FC	No
FD-FS30851314	SC	No

Singlemode Specifications:

FD-FS1316	
Optical Connector	Single Port
Source Type	Laser
Wavelength (nm)	1310, 1550nm
Spectral Width (nm)	5
Output Power (dBm)	-8 dBm adjustable +/- 1dB
Modulation	CW, 2kHz, 1kHz, 270Hz
Stability	+/- 0.1dB over 1 hr, +/- 0.2dB over 20hrs.
Battery Life (Alkaline)	> 20hrs. continuous use
Output Connector	ST, FC, or SC
Power	Two AA-size Alkaline or NiCad (opt.)
NiCad Charger (Opt.)	8.7-15 VAC/DC, 150mA, Tip-Positive
Operating Temperature	-10° to +40° C
Storage Temperature	-20° to + 60° C
Size	6.5”H x 3.3” W x 1.3” D (160 x 83 x 33 mm)
Weight	0.56 lbs. (250 g)



**Fiberdyne Labs LASER Optical Light Sources Fiberdyne Labs Model FD-FS1316
Single Port, Dual Wavelength, 1310nm & 1550nm, Optical LASER Sources
(Recommended for Single-mode Applications)**

Item No.	Connector(s)	Charger Included
FD-FS30131602	ST	No
FD-FS30131604	FC	No
FD-FS30131606	SC	No