

FS Series Laser Sources

dual wavelength optical sources

Description

The FS Series Laser Sources are hand-held battery powered stabilized dual laser sources. Together with any of Wilcom's power meters, this team makes the perfect combination for accurately testing multimode or singlemode cable installations including long-haul fiber networks, cable attenuation, point-to-point connection verification, end-to-end testing, and system installation verification.

Model FS8514A operates at 850 and 1310nm. The FS1316 operates at 1310 and 1550nm, and Model FS1317 operates at 1550 and 1625nm. Their highly efficient, stabilized outputs use rear facet diode technology to compensate for short- and long-term drift.

The FS Laser Sources feature both continuous wave (CW) and modulated output modes. In CW mode the units feature extremely stable output power at -8 dBm for standard optical loss measurements. In the modulated mode, each unit provides 2kHz, 1kHz or 270Hz for fiber identification when used with optical fiber identifier Models F6121A, F6222 or F6222C.



Each laser source will operate for more than 25 hours on just two AA batteries. All units include a "Low batt" indicator to monitor the state of its AA batteries.

Features and Benefits

- **Choose your Wavelength**
 - FS8514A - 850/1310nm dual wavelength*
 - FS1316 - 1310/1550nm dual wavelength*
 - FS1317 - 1550/1625nm dual wavelength*
- **Two Way Power**
 - Each unit offers the convenience of two-way power. They can operate by using either AA Alkaline batteries, or optional rechargeable NiCad batteries.*
- **CW, 270Hz, 1-kHz, & 2-kHz Modulation**
 - Users can easily select between continuous wave (CW) or modulated frequencies with the push of a single key.*
- **Variable Power Output**
 - Each unit is factory-set to launch at -8 dBm, however, screwdriver adjustments for each wavelength allow laser power to be easily changed in the field.*
- **Single Key Operation**
 - Ease of operation is provided for by single key entry for wavelength selection, and CW or modulated frequencies.*
- **Hand-Held, Battery Operated for Field Use**
 - Don't get stuck away from the truck with a dead laser; your AA batteries last longer, and our low battery indicator is an early warning system that gives you plenty of time.*

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Specification

	FS1316	FS8514A	FS1317
Optical Connector	Single Port	Dual Port	
Source Type	Laser		
Wavelength (nm)	1310, 1550nm	850, 1310nm	1550, 1625nm
Spectral Width (nm)	5		
Output Power (dBm)	-8dbm adjustable +/- 1dB		
Modulation	CW, 2kHz, 1kHz, 270Hz		
Stability	+/- 0.1dB over 1hr, +/- 0.2 dB over 20 hrs.		
Battery Life (Alkaline)	>20 hrs. continuous use		
Output Connecto	ST, SC, FC, LC/F3000, MU, FC/APC or SC/APC		
Power	Two AA Alkaline Batteries or NiCad (optional)		
NiCad Charger (opt.)	8.7-15VAC/DC >150mA - Tip-Positive		
Operating Temperature	-10°C to + 40°C		
Storage Temperature	-20°C to + 60°C		
Size	6.3"H x 3.3"W x 1.3"D (160 x 83 x 33mm)		
Weight	0.56lbs (250g)		
Accessories	All models include a padded carrying case with window allowing convenient use of the unit while in the case, instruction manual, and batteries.		
			

Ordering Information

Model No.	Part No.	Model No.	Part No.
FS1316-ST w/ Charger	30131613	FS1317-ST w/ Charger	30131701
FS1316-ST w/o Charger	30131614	FS1317-ST w/o Charger	30131702
FS1316-FC w/ Charger	30131615	FS1317-FC w/ Charger	30131703
FS1316-FC w/o Charger	30131616	FS1317-FC w/o Charger	30131704
FS1316-SC w/ Charger	30131617	FS1317-SC w/ Charger	30131707
FS1316-SC w/o Charger	30131618	FS1317-SC w/o Charger	30131708
FS1316-LC w/Charger	30131619	FS1317-FC/APC w/Charger	30131719
FS1316-LC w/o Charger	30131620	FS1317-FC/APC w/o Charger	30131720
FS1316-MU w/Charger	30131621	FS1317-SC/APC w/Charger	30131717
FS1316-MU w/o Charger	30131622	FS1317-SC/APC w/o Charger	30131718

Model No.	Part No.
FS8514A-ST w/ Charger	30851414
FS8514A-ST w/o Charger	30851413
FS8514A-FC w/ Charger	30851416
FS8514A-FC w/o Charger	30851415
FS8514A-SC w/ Charger	30851418
FS8514A-SC w/o Charger	30851417
FS8514A-LC w/Charger	30851420
FS8514A-LC w/o Charger	30851419
FS8514A-MU w/Charger	30851422
FS8514A-MU w/o Charger	30851421

Warranty

The Wilcom Series of Fiber Laser Sources are warranted for a period of one year to be free of defects in material and workmanship.

**ISO-9001
Registered**

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Specifications and prices are subject to change without notice. 08/01, 812-709-005



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