

# fiber light source for FTTH/FTTP

# FS-1318

## Description

The FS-1318 Laser Source is a hand-held battery powered stabilized laser source with three laser outputs. Together with Wilcom's FM-1317 power meter, this team makes the perfect combination for accurately testing singlemode FTTH cable installations including, cable attenuation, point-to-point connection verification, end-to-end testing, and system installation verification.

Model FS-1318 operates at 1310nm, 1490nm, and 1550nm wavelengths with a single SC connector optical port allowing this unit to test passive optical networks (PONs) at the three main wavelengths recommended by the ITU-T (G.983.3) for use in fiber-to-the-home (FTTH), and fiber-to-the-premise (FTTP) networks. The highly efficient, stabilized output uses rear facet diode technology to compensate for short and long-term drift.

The FS-1318 Laser Source features both continuous wave (CW) and modulated output modes. In CW mode the units feature extremely stable output power at 0 dBm for standard optical loss measurements. In the modulated mode, each unit provides 2kHz, 1kHz or 270Hz for fiber identification when used with Wilcom's optical fiber identifier Models F6121A, F6222 or F6222C.




## Features and Benefits

- ✓ **Choose your Wavelength**  
*1310nm, 1490nm, or 1550nm wavelength with a single SC optical port connector.*
- ✓ **Two Way Power**  
*Each unit offers the convenience of two way power. They can operate by using either AA Alkaline batteries, or optional rechargeable NiMH 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.*
- ✓ **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.*
- ✓ **Soft Carrying Case**  
*Each unit includes a padded carrying case with a strap, belt-loop and window allowing convenient use of unit while in the case.*

**Wilcom**

## Specification

MODEL	FS-1318
Optical Connector	Single Optical Port
Source Type	Laser
Wavelength (nm)	1310nm, 1490nm, 1550nm
Spectral Width (nm)	< 5nm
Output Power (dBm)	0.0 dBm nominal into SMF 28 fiber
Modulation	CW, 2kHz, 1kHz, 270Hz
Delay Time to stable output	< 15sec.
Battery Life (Alkaline)	> 20 hrs. continuous use
Output Connectors	SC
Power	Two AA Alkaline Batteries or NiMH ( optional )
NiMH Charger (opt.)	9 VDC >500mA - 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	Includes a padded carrying case with window allowing convenient use of unit while in the case, instruction manual, and batteries
	Pending

## Ordering Information

Model No.	Part No.
FS-1318 - w/ SC/UPC Connector w/o Charger	30131801
FS-1318 - w/ FC/UPC Connector w/o Charger	30131803
FS-1318 - w/ ST/UPC Connector w/o Charger	30131805
FS-1318 - w/ LC/UPC Connector w/o Charger	30131807
Optional NiMH Battery Charger Kit	30032250-01

( 110VAC only - batteries included )

## Options

Model No.	Part No.
<b>FTTP-LTS-1 Kit:</b>	30FTP010
<ul style="list-style-type: none"> <li>• FM-1318 Power Meter, • FS-1318 Fiber Source Launch Cable - SM SC/UPC / SC/UPC, SC Adapter cap, and Hard Carrying Case</li> </ul>	
<b>FTTP-LTS-1C Kit:</b>	30FTP012
<ul style="list-style-type: none"> <li>• FM-1318C Power Meter, FS-1318 Fiber Source Launch Cable - SM SC/UPC / SC/UPC, • SC Adapter cap, and Hard Carrying Case</li> </ul>	

## Warranty

The Wilcom Model FS-1318 Fiber Laser Source is warranted for a period of one year to be free of defects in material and workmanship.

## ISO-9001:2000 Registered

Specifications and prices are subject to change without notice.  
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