

# optical laser source

# FS Series

## Description

The FS Series are hand-held battery powered stabilized laser sources offering a selection of output wavelengths and connector options. 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.

The FS Laser Sources feature both continuous wave (CW) and modulated output modes. In CW mode, the units provide extremely stable output power utilizing rear facet diode technology to compensate for short-and long-term drift. In modulated mode, each unit provides 2kHz, 1kHz or 270Hz tones for fiber identification that is compatible with Wilcom's line of Optical Fiber Identifiers.

Each laser source will operate for more than 25 hours on two AA batteries and have a front panel Low Battery indicator.



## Specifications:

|                                  | FS-1316                                                                                                                 | FS-1317    | FS-1318          |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------|------------|------------------|
| Fiber Connectors                 | Single Port                                                                                                             | Dual Port  | Single Port      |
| Wavelength (nm)                  | 1310, 1550                                                                                                              | 1550, 1625 | 1310, 1490, 1550 |
| Source Type                      | Laser                                                                                                                   |            |                  |
| Spectral Width                   | < 5 nm                                                                                                                  |            |                  |
| Output Power (into SMF-28 fiber) | - 8 dBm adjustable $\pm$ 1 dBm                                                                                          |            | 0 dBm            |
| Modulation                       | CW, 2 kHz, 1 kHz, 270 Hz                                                                                                |            |                  |
| Stability                        | +/- 0.1dB over 1hr, +/- 0.2 dB over 20 hrs.                                                                             |            |                  |
| Power                            | Two (2) AA size batteries                                                                                               |            |                  |
| Operating Temperature            | -10 to +40 °C                                                                                                           |            |                  |
| Storage Temperature              | -20 to +60 °C                                                                                                           |            |                  |
| Dimensions H x W x D             | 6.3" x 3.3" x 1.3" (160 x 83 x 33mm)                                                                                    |            |                  |
| Weight                           | 0.56 lbs (250g)                                                                                                         |            |                  |
| Warranty                         | 1 year                                                                                                                  |            |                  |
| Accessories                      | Protective case with belt loop, carry strap and window, allowing operation while in the case, user manual and batteries |            |                  |

## Ordering Information:

| Description | Part Number | Description    | Part Number |
|-------------|-------------|----------------|-------------|
| FS-1316-ST  | 30131602    | FS-1317-FC/APC | 30131720    |
| FS-1316-SC  | 30131604    | FS-1317-SC/APC | 30131718    |
| FS-1316-FC  | 30131606    | FS-1318-ST     | 30131805    |
| FS-1317-ST  | 30131702    | FS-1318-FC     | 30131803    |
| FS-1317-FC  | 30131704    | FS-1318-SC     | 30131801    |
| FS-1317-SC  | 30131708    | FS-1318-LC     | 30131807    |

## Optional Accessories

| Description                                              | Part Number |
|----------------------------------------------------------|-------------|
| Battery Charger Kit (110 v, with batteries)              | 30032241-01 |
| Battery Charger Kit FS-1318 only (110 v, with batteries) | 30032250-01 |

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