OP-FT-PM3 Power Meter

The OP-FT-PM3 is a basic Optical Power Meter designed for use in performing insertion loss measurements in single-mode and multimode optical networks. A general-purpose meter with an input range of +6 dBm to -50 dBm and is calibrated at 850, 1300, 1310, 1490, 1550 and 1625 nm. Models can detect CW and 270, 330, 1000 or 2000 Hz tones.

FC, SC and ST connector adaptors are included and the unit is supplied with 2 x AA batteries and a Quick Reference Guide.

Optical Power Meters are designed for ease of use. Each is equipped with a large, easy-to-read LCD, which shows the input power level, the remaining battery capacity, and the status of the automatic power-off function. A user-selectable back light enables the OP-FT-PM3 to be used in dimly-lit spaces.

The Optical Power Meters will operate for approximately 300 hours from a pair of ordinary AA alkaline batteries. An automatic power-down circuit optimizes battery life by shutting off after 5 minutes of operation.

Applications

- Single-mode and multimode optical networks
- Telco, broadband and enterprise networks
- Optical insertion loss measurements
- Optical fibre identification tasks

Key Facts

- Palm-sized, rugged, lightweight
- Large LCD with back light
- Power measurements in dBm or µW
- Insertion loss measurements in dB
- 270, 330, 1000, 2000 Hz tone detection
- Long battery life with 2 x AA alkaline
- Battery gauge and automatic power-off function
- N.I.S.T traceable, CE and RoHS compliant
The FT-LS20 is a basic single port, dual laser Optical Light Source for use in performing insertion loss measurements and fibre identification tasks on singlemode optical networks. The FT-LS20 features 1310 nm and 1550 nm laser outputs from a single output port. Each wavelength may be transmitted at CW or with a 270, 330, 1000 or 2000 Hz tone. The output port of the FT-LS20 features a removable FC adapter. Optional SC and ST adapters are also available.

The FT-LS20 is designed for ease of use. It features a large, easy-to-read LCD, which shows the output wavelength and any selected tone. The FT-LS20 also displays the remaining battery capacity and the status of the automatic power-off function. A user selectable backlight enables the FT-LS20 to be used in dimly-lit spaces. The FT-LS20 will operate for approximately 30 hours from a pair of ordinary AA alkaline batteries. An automatic power-down circuit optimizes battery life by shutting off after 5 minutes of operation.

When paired with a Optical Power Meter (such as the FiberTech FT-PM3), the FT-LS20 provides installers, technicians, and field engineers with an accurate, stable source of 1310 nm and 1550 nm optical signal for insertion loss measurements. When paired with a Optical Fiber Identifier (such as the OFI-200, OFI-400, or OFI-400HP), the FT-LS20 provides users with a source of continuous and tone modulated signals that enables individual fibres to be definitively identified. The FT-LS20 is fully N.I.S.T. traceable and complies with CE and RoHS requirements.

### Features
- Palm-sized, rugged, lightweight
- Large LCD with backlight
- 270, 330, 1000, 2000 Hz tone capability
- Long battery life with 2 x AA alkaline
- Battery gauge and automatic power-off function
- N.I.S.T traceable, CE and RoHS compliant

### Applications
- Optical fibre identification
- Optical insertion loss measurements

### Specifications

#### Optical Specifications
- **Optical Wavelength**: 1310 nm ±20 nm, 1550 nm ±20 nm
- **Spectral Width (max)**: 10 nm, 10 nm
- **Output Stability**: ±0.05 dB over one hour (after 15 minute warm-up)
- **Output Power**: -7 dBm
- **Battery Life**: 30 hours typical

#### General
- **Output Frequencies**: CW, 270, 330, 1000, 2000 Hz
- **Output Connectors Available**: FC, SC, and ST
- **Power**: 2 x AA Batteries
- **Operating Temperature**: -10 °C to +50 °C, 90 % RH (non-condensing)
- **Storage Temperature**: -30 °C to 60 °C, 90 % RH (non-condensing)
- **Size**: 114 x 64 x 32 mm (4.5 x 2.5 x 1.3 in)
- **Weight**: 180 g (0.4 lb)

**Notes:**
- All specifications valid at 25 °C unless otherwise specified.

### Ordering Information

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>PART NUMBER</th>
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<tbody>
<tr>
<td>Optronics FTLS-20 with SC adaptor, Laser Source (1310/1550nm)</td>
<td>OP-FTLS-20</td>
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<tr>
<td>AVAILABLE KITS</td>
<td>DESCRIPTION</td>
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<tr>
<td>FiberTech FT-LS20 Dual laser Optical Light Source &amp; FiberTech FT-PM3 Optical Power Meter</td>
<td>OP-KIT3</td>
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<td>CSS-1MM LED Source, FiberTech FT-LS20 Dual laser Optical Light Source &amp; FiberTech FT-PM3 Optical Power Meter</td>
<td>OP-KIT4</td>
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**Further Information**

- For additional information please contact your sales representative
- FibreFab reserves the right to make changes to the product specifications in this datasheet at any time without notice
- Information in this document is correct as of July 3, 2015

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