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
A rugged test instrument designed with intuitive simple user interface allowing technicians to focus on installing and maintaining fibre networks. Multimode light source for measuring network insertion loss, continuity checks, and fibre identification.

- 850 nm and 1300 nm LED output from single test port
- 50 μm and 62.5 μm mandrels included

**Features**

- Palm-sized rugged, dependable tools
- Cost-effective, easy to use
- Auto-off time out feature to maximize battery life
- Large sunlight readable display. Backlight for dim conditions

**Applications**

- Link loss measurements
- Certify MM links to industry standards
- Continuity check and fibre identification prior to fusion splicing

**Specification**

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<tr>
<th>OPTICAL SPECIFICATIONS&lt;sup&gt;a&lt;/sup&gt;</th>
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<td>Wavelength</td>
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<tr>
<td>Spectral Width (max)</td>
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<tr>
<td>Emitter Type. Safety Class</td>
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<tr>
<td>Output Power</td>
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<tr>
<td>Output Stability&lt;sup&gt;b&lt;/sup&gt;</td>
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<tr>
<td>Tone Output</td>
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**GENERAL**

- Output Connector: SC Fixed
- Power: 2 AA batteries
- Battery Life: 30 hours (typical)
- Operating Temperature: -10 °C to 50 °C, 90 % RH (non-condensing)
- Storage Temperature: -30 °C to 60 °C, 90 % RH (non-condensing)
- Size (H x W x D): 14.0 x 8.1 x 3.8 cm (5.5 x 3.2 x 1.5 in)
- Weight: 0.29 kg (0.65 lb)

Notes:

a. All specifications valid at 25 °C unless otherwise specified. b. After typical 30 second warm up.

**Ordering Information**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>PART NUMBER</th>
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<tbody>
<tr>
<td>Optronics CSS1-MM, LED Source (850/1300nm) with SC adaptor</td>
<td>OP-CSS1-MM</td>
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<table>
<thead>
<tr>
<th>AVAILABLE KITS</th>
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<tr>
<td>CSS-1MM LED Source &amp; FiberTech FT-PM3 Optical Power Meter</td>
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<tr>
<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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