

# Optical Channel Power Monitor/ Meter

(-70dB, 850nm/1310nm/1550nm/1610nm, 16 Channels)



DATASHEET

BUY NOW



This OPM series of the module is designed for network monitoring and laboratory test applications, featuring high accuracy, large dynamic range, and low cost. It can be used as inline passing through monitor with low insertion loss and totally passive without signal alternation up to 100GHz. It has an alarm function in which when the light intensity in a channel below a preset level, it will send an alarm signal to the host. It is compatible with Agiltron net-ready rack (carry service platform) that simultaneously controls multiple modules with 1U, 2U,4U, and 6U platform options. It can also be used as a laboratory optical power meters. For each pluggable card, up to 16 channel live power measurement can be displayed on a computer via an Ethernet connection. Multiple cards (large numbers of channels) can be displayed on one GUI. Custom configurations of hardware and software are available.

## Features

- High Accuracy
- Large Range
- Low Cost
- Ease in Use
- Net Ready

## Specifications

| Parameter                 | Min  | Typical               | Max               | Unit |
|---------------------------|------|-----------------------|-------------------|------|
| Center Wavelength         |      | 850, 1310, 1550, 1610 |                   | nm   |
| Bandwidth                 |      | ± 20                  |                   | nm   |
| Power Monitoring Accuracy |      |                       | ± 0.25            | dB   |
| Power Measurement Range   | -50  |                       | 20                | dBm  |
| Insertion Loss            |      |                       | 1                 | dB   |
| Channel Crosstalk         | 55   |                       | 80                | dB   |
| Channel Selection         |      | 04/08/16              |                   |      |
| Interface                 |      | Service rack          | pluggable         |      |
| Power Consumption         |      |                       | 2                 | W    |
| Operating Temperature     | -10  |                       | 50                | °C   |
| Storage Temperature       | -45  |                       | 85                | °C   |
| Humidity                  | 5-95 |                       | (no condensation) | %    |

## Applications

- Laboratory Uses
- Testing
- Net Management

**Legal notices:** All product information is believed to be accurate and is subject to change without notice. Information contained herein shall legally bind Agiltron only if it is specifically incorporated into the terms and conditions of a sales agreement. Some specific combinations of options may not be available. The user assumes all risks and liability whatsoever in connection with the use of a product or its application.

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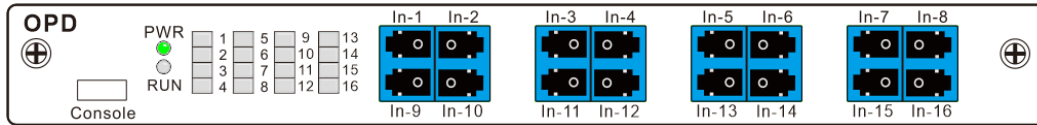
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### Dimensions 1U house 4 cards



\*Product dimensions may change without notice. This is sometimes required for non-standard specifications.

### Electrical/Computer Connection

SNMPv1, Monitor Online, Simple Management Tool

### Ordering Information

| Prefix       | Channel Number *            | Wavelength  | Polarization                  | Number of Card                                     | 1 | 1 | 1 | Connector   |
|--------------|-----------------------------|---|-------------------------------|--|---|---|---|---|
| <b>OPMP-</b> | 4 = 04<br>8 = 08<br>12 = 12 | 850nm = 8<br>1550nm = 5<br>1610nm = 6<br>1310 = 3 | Random = 1<br>Maintaining = 2 | 1 = 1<br>2 = 2<br>3 = 3<br>4 = 4<br>5 = 5<br>6 = 6 |   |   |   | LC/UPC = 1<br>FC/PC = 2<br>FC/APC = 3<br>SC/PC = 4<br>SC/APC = 5<br>Special = 0 |

\* For one pluggable card