

OP740

High-Speed Multichannel Optical Power Meter

Overview

The OP740 offers a state-of-the-art solution for high-speed optical power measurement applications where multiple channels are needed. Unlike many other systems, this instrument is comprised of individual power meters allowing for simultaneous data acquisition over all channels with unparalleled speed.

The OP740 is available with 4 to 24 channels and can be configured for an assortment of detector adapter options.



Model OP740 High-Speed Multichannel Optical Power Meter with 24 InGaAs detectors.

Features

- Up to 24 individual detectors in a 2U rack mountable mainframe
- Able to read from all 24 channels simultaneously
- Variable sample rate (up to 125,000 samples/second, 8 μ s sampling rate)
- Full color touchscreen display
- Single channel and user-configurable multichannel display
- Color-coded Pass/Fail results
- USB 3.1 communication
- Universal adapter interface
- Measurement range
 - InGaAs: +6dBm to -72dBm
 - Silicon: +3dBm to -65dBm
- Broad wavelength spectrum
 - InGaAs: 830nm to 1700nm
 - Silicon: 400nm to 1100nm
- Relative accuracy of 0.02dB

Specifications

| | 1mm InGaAs | 3mm Silicon |
|---------------------|--------------------------------------|--------------------------|
| Sampling Speed | variable, max 125,000 samples/second | |
| Measurement Range | +6dBm to -72dBm at 1490nm | +3dBm to -65dBm at 980nm |
| Wavelength Spectrum | 830nm to 1700nm | 400nm to 1100nm |
| Relative Accuracy | ± 0.02 dB | |
| Channel Count | Up to 24 in one enclosure | |

Other detector options available.

For more details, see the OptoTest General Specifications