PTS-FOPM Series

Fiber Optic Power Meter Modules

Key Features

- Direct fiber input for fiber optic component measurements
- · Single and dual-channel versions offered
- Three modules cover 400–1800 nm wavelength range
- Measurement range from -100 to +3 dBm
- Analog output for connection to external instruments
- Available with variety of fiber connector styles

Accessories

Please see the Fiber Optics and Accessories Section for fiber optic patchcords, adaptors, and many more accessories that can be used with these modules.



The PTS-FOPM Series Fiber Optic Power Meters accept a direct fiber input to acquire power measurements in the 400–1800 nm wavelength range. Both single and dual-channel versions are offered, with five different input connector options to select from.

The low-noise 300 μm diameter detector and eight gain ranges, enable continuous power measurements from a low -100 dBm up to 3 dBm (2 mW).

Each module is individually calibrated to NIST-traceable standards using Newport's in-house calibration facility. Calibration data is taken in 10 nm increments, and electronically stored inside the module, resulting in accurate power measurements over the entire wavelength band.

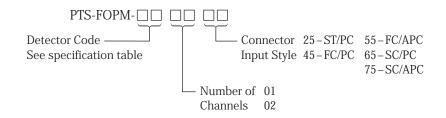
A certificate of calibration as well as the actual calibration curves recorded are shipped with each module. Annual re-calibration is recommended to assure measurement accuracy.

Specifications

SL	IR	IG
Si	Ge	InGaAs
	1000	
400–1100	780–1800	800–1650
-100 to +3 dBm (100fW - 2mW)	-80 to +3 dBm (10pW - 2mW)	-100 to +3 dBm (100fW - 2mW)
	±5%	
±0.5%		
20	1	10
5.23 (13.3) x 1.39 (3.5) x 9.09 (23.1)		
1.75 (0.8)		
0°C to 40°C		
-20°C to 60°C		
	Si 400–1100 -100 to +3 dBm (100fW - 2mW)	Si Ge 1000 400–1100 780–1800 -100 to +3 dBm (100fW - 2mW) ±5% ±0.5% 20 1 5.23 (13.3) x 1.39 (3.5) x 9.09 (2.5) 1.75 (0.8) 0°C to 40°C

Ordering Information

When ordering a Fiber Optic Power Meter Module, please specify the following Model number:



Order example: PTS-FOPM-SL0265

Dual-channel Fiber Optic Power

400–1100 nm wavelength range,

Meter Module with Silicon

and SC/PC connector input.

detector, operating in the