



Overview

## Multichannel Optical Power Meter

The **OP710SI** offers an economical approach for optical power measurement applications where multiple channels are needed. Unlike other systems this instrument is built up with individual power meters allowing for unparalleled simultaneous data acquisition over all channels.

The OP710SI is available starting at 8 up to 24 channels and is configured with a Silicon (SI) detector and the 5/8" adapter system. With the rack mount option multiple instruments can be combined and configured for even higher channel count.



**Model OP71024-IN-FC**  
Multichannel power meter with 24 InGaAs detector, all fixed FC/PC Interface

Features

- High precision fiber optic power measurement

Up to 24 channels of precision optical power measurement, **+3dBm..-65dBm measurement range, 480nm ... 1080nm wavelength range.**  
Great measurement resolution of **0.001 dB**  
Tight linearity specifications: **+/- 0.05dB**  
Selectable sample rate selected by application : 1 sample/sec .. 10 samples/sec

- Integrated ambient temperature tracking

The OP710 measures the ambient temperature between -10°C and +55°C with a resolution of 0.1°C.

- POF Applications

The 710SI is equipped with Silicon detectors specifically design to support all POF (plastic optical fiber) applications. To support many POF measurement tasks a variety of connector adapters (MOST, VLink, SMA) are available upon request.

- USB powered, plug&play data acquisition

The OP710 supports data rates up to 0.2MB/s with the appropriate drivers.

CC = number of channels

	OP710-CC-SI	OP710-CC-SI3
Individual Channels (other counts available)	4 to 24	4-24
Measurement Range	+3dBm..-60dBm	+6dBm..-65dBm
Wavelength Range	580nm to 1080nm	
Selectable Wavelength	1) Standard: 630/650/850/980nm	
Measurement Resolution (Display)	0.01dBm (absolute) 0.001dB(relative)	
Measurement Linearity, Relative Accuracy	2) 0.05dB	
Data Interface	USB 1.1/2.0 compatible data rate and interconnect	
Operating Temperature Range	0 °C ... 50 °C (32°F ... 121°F)	
Mech Dimension	19" Rack Standard (16.8 x 3.8 x 10 inch)	
Optical Interface	fixed ST, FC or SC	5/8" adapter (FC/PC included)

All specifications are valid within temperature range of 18° C to 24°C unless otherwise noted.

1) NIST traceable calibration at -10dBm/980nm

2) Linearity for loss<5dB and absolute power within 0dBm..-50dBm

NOTE: Specifications are subject to change, please confirm specific performance characteristics of the product at the time of ordering.