



Multichannel Optical Power Meter

CTS-800

MOP



FIBERPRO's CTS-800, Multichannel Optical Power Meter was designed to provide manufacturing customers with the best production efficiency.

CTS-800 measures max. 9 channels independently with fast measurement speed and high accuracy.

It also provides complete flexibility in external control which includes LAN, USB2.0, GPIB and RS232. This makes channel expansion or integration with multiple instruments very easy.

Key Features

- Up to 9 channels of precision optical power measurement
- Independent power measurement at each channel
- -80dBm to +10dBm measurement range
- Fast measurement data acquisition & transfer
 - : up to 1 million samples/ch
- Higher time resolution : minimum averaging time of 1 μ sec
- Higher measurement resolution : 0.001 dB
- Singlemode / Multimode fiber application
- Flexible external control : LAN, USB 2.0, GPIB, RS232
- Analog Output

Specifications

Number of Channels	1~9 ⁽¹⁾
Sensing Wavelength Range	1250nm ~ 1650nm
Measurement Range	-80dBm to +10dBm
Data Logging Capability	1,000,000 measurement points per channel
Uncertainty at Reference Conditions ⁽²⁾	+/- 2.5%
Measurement Resolution	0.001 dB
Averaging Time	1 μ sec. to 10 sec.
Applicable Fiber Type	Standard SM and MM \leq 62.5 μ m core size, NA \leq 0.24
Operating Temperature	+5 $^{\circ}$ C to +40 $^{\circ}$ C
Interface	LAN, USB 2.0, GPIB, RS232,
External Trigger In	TTL level
Connector Type	FC/PC, FC/APC, SC/PC, SC/APC ⁽³⁾
Power Supply	90~240V, 50 / 60 Hz
Operating Temperature	+5 $^{\circ}$ C to +40 $^{\circ}$ C
Dimensions (H x W x D)	86 x 212 x 420 mm

1) Please ask for more channels

2) i) SMF 9 μ m, ii) Power level of - 20 dBm~0 dBm, iii) Spectral width of source < 10nm (FWHM),
iv) Ambient temperature of (23 \pm 5) $^{\circ}$ C

3) Other types are available

Ordering Codes

CTS - 800 - (1) - (2) - (3)

1. Number of Channels : 5~9

2. Fiber Type \Rightarrow S : Singlemode

M : Multimode

3. Connector Type \Rightarrow F/P (FC/PC), F/A (FC/APC), S/P (SC/PC), S/A (SC/APC)