Compact Inline
Optical Wavelength and Power Monitor

Features / Benefits

- Real time wavelength and power monitoring
- Precise wavelength measurement
- Wide dynamic range
- Inline and network ready
- Remote data storage/reporting
- 10/100 base Ethernet interface
- Compact and rugged design
- Integrated USB interface

Applications

- On-site services
- Network system installation
- Network segment monitoring
- CATV
- FTTx
- Manufacturing
- Maintenance

Specifications

Optical

Parameters	Unit	Specification
Wavelength Range	nm	1260 to 1610
Tap Ratio	%	3
Insertion Loss	dB	< 0.4
Wavelength Accuracy	nm	+/- 0.1**
Optical Power Range for Wavelength	dBm	-15 to +23
Power Range	dBm	-40 to +23
Optical Power Accuracy	dB	+/- 0.1**
Maximum Input Optical Power	dBm	23

**: The accuracy is at 1310nm and 1550nm, at 23°C.

Environmental & Physical

Item	Unit	Specification
Operating Temperature	°C	0 to 50
Storage Temperature	°C	-20 to 70
Relative Humidity (non-condensing)	%RH	10 to 90
Fiber Pigtail	-	SMF-28e, 250µm bare fiber or 900µm loose tube
Power Supply (DC)	V	+ 5

* Example: *Optical network line tracking and troubleshooting*
Network engineer can connect the CIOM to a network line to keep track on the changes in optical wavelength and power. The CIOM can be configured to report alarms to a remote management station, through 802.3 Ethernet or GSM / GPRS wireless interface (optional), when a user-predefined alarm threshold is exceeded.

Ordering Information

L	W	P	M	A	5	0	0	3	0	1	0			

Tap Ratio
3= 3%

Fiber Type
0= SMF-28e

Fiber Length
1= 1.0m
5= 1.5m

Pigtail Type
0= 250µm bare fiber
1= 900µm loose tube

Connector
0= None
1= FC/UPC
2= FC/APC
3= SC/UPC
4= SC/APC
5= LC/UPC
6= MU/UPC

This product information is subject to change without notice.