A Optronics

General Description:

The CA6005 series power meter is suitalbe for laboratory, LANs, WANs, and CATV as well as long distance optical network.
Work with CA Optronics Group's Laser Source, this series power meter can be used to identify optical fiber, measure optical attnuation. verify fiber link transimission quality.

Auto-Wavelength Recognition:

The CA6012 unit can transmit with a wavelength-identification digital encrypted protocol, enabling the CA6005 series Power Meter to automatically switch to the proper calibration wavelength. This feature reduces the need for communication between the two technicians and decreases the possibility of making mistakes.

Referencing function:

Signal encrypting can also give the receiving end information on the power to be used as reference, helping ensure efficient referencing, even when the two units are far apart.

Computer supported:

Memory capacity of 1000 data items; enables data transfer to a PC via USB connection. With the software, the date sheet can be saved as excel or txt, and print out directly.

Testing Range

Maximum testing range up to 150km.

Features:

- Referencing function
- Memory capacity of 1000 data items, enables data transfer to a
- PC via USB connection LCD backlight for easy operation in darker environments
- More connectors are optional and interchangeable by the user
- Two powering systems: Internal rechargeable batteries or AC adaptor
- Wide measurement range
- High accuracy and stability
- Auto-off function: saves the power and low power consumption allows extended operation in the field
- Three-year warranty and recommended calibration interval

Specifications:

	CA6005	CA6007	CA6006	CA6008
Calibrated Wavelength (nm)	90/1550/1625			
Detector Type	InGaAs			
Accuracy ^{①}	± 0.2dB±1nW		± 0.2dB±10nW	
Resolution	0.01dB		0.01dB	
Linearity	±5%			
Auto Power Off	Yes			
Back Light	Yes			
Reference Value	Yes			
Measuring Range(dBm)	-70 to +10 @1550nm		-50 to +26 @1550nm	
USB Interface	N/A	Yes	N/A	Yes
Data Storage	N/A	Yes	N/A	Yes
Wavelength Recognize	N/A	Yes(≥-40dBm)	N/A	Yes(≥-20dBm)
Tone Detection (Hz)	270,1k,2k(≥-40dBm)		270,1k,2k(≥-20dBm)	
Operating Temperature	-10 to +50 ℃			
Storage Temperature	-20 to +70 ℃			
Power Supply	2pcs * Ni-MH AA(2500mAh); 6V AC/DC adaptor			
Dimension (mm)	160L*76W*45H			
Net Weight	270g			

Note: ^{①} Valid at 1550nm, CW,23±3℃, Relative Humidity ≤70%, with an FC connector.

Ordering Information:

Standard Accessories:

FC/PC,SC/PC,ST/PC interchangeable connector, Manual, Carrying Bag, Software (CD), USB cable, AC/DC adapter, Test Report.

Optional Accessories:

Description	Ordering Number	Description	Ordering Number
FC/PC male -LC/PC female Adapter	FH-LC	1.25mm Universal Adapter	FHP-U1.25
Silicon Boot	FH-RB	Carrying Box	FH-PS

CA Optronics Group, Inc.