Optical Power Meter | AOP110 | AOP100

Advanced

AOP110 Optical Power Meter is an **advanced multi-wavelength display Optical Power Meter** with wave response range of 700nm~1700nm providing **normal** and **Auto test (Auto wave ID mode)** modes for real time measurement of optical transmission power of multiple wavelengths received, displayed on a bright color LCD display. AOP110 Optical Power Meter offers threshold setting feature providing value for fast measurement of the optical power received by displaying PASS/ FAIL prompts.

AOP100 is a Mid-Range Optical Power Meter variant.

AOP110

Mid-Range

AOP100

Features:

- Normal OPM mode and AUTO TEST OPM mode
- AUTO WAVE ID mode (when used with AOS210 Optical Laser Source) ensures fast multi wavelength optical testing by a single person, on one screen
- Multi-wavelengths display in AUTO TEST mode
- Threshold setting (Pass/Fail)
- Auto Test calibration
- USB connection and 7 x 24 real-time test possible on PC
- 1000 traces Data storage
- 10mW VFL (optional, to be specified at time of ordering)
- 850/1300/1310/1490/1550/1625nm operating wavelengths
- Three-year recommended calibration interval

AOP110 Optical Power Meter Functions

1. Optical Power Meter Adaptor
2. Visual Fault Locator Adaptor
3. Color LCD
4. REF Key/Upkey
5. Visual Fault Locator Key
6. l Select Key/Right Key
7. Menu Key
8. USB charging port
9. Power Key
10. Auto Test Key/Left Key

Adaptor Type To be specified at time of ordering	
Connector Options	
FC (Default)	
SC (Optional)	
ST (Optional)	
Optional: FC male to LC female	

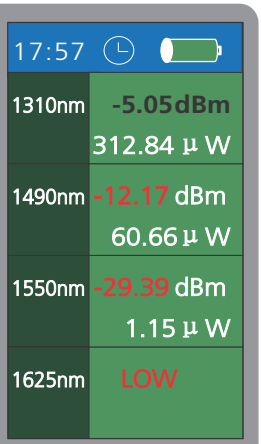
User Defined Wavelengths

User Defined Wave	
925nm	00.00dBm
1650nm	-10.00dBm
700nm	00.00dBm
700nm	00.00dBm
700nm	00.00dBm
700nm	00.00dBm
700nm	00.00dBm
700nm	00.00dBm
700nm	00.00dBm
700nm	00.00dBm
Factory Reset	

Max. 10 sets of user defined wavlengths, total 16 wavelengths can be measured

Threshold Setting

Threshold		
850nm	PASS	(dBm)
> -13.00		< -05.00
1300nm	PASS	(dBm)
> -10.00		< +00.00
1310nm	PASS	(dBm)
> -10.00		< +00.00
1490nm	PASS	(dBm)
> -10.00		< +00.00
1550nm	PASS	(dBm)
> -10.00		< +00.00
1625nm	PASS	(dBm)
> -10.00		< +00.00



Reading in black is PASS range/ Reading in red is FAIL range

Specifications | AOP110 | AOP100 Optical Power Meter:

Module Options | AOP110 | AOP100 +	T	C
Dynamic Range	1310/1490/1550/1625nm: +10~-70dBm 850/1300nm: +10~-60dBm	1310/1490/1550/1625nm: +26~-50dBm 850/1300nm: +26~-40dBm
Accuracy	± 0.2 dB	
Wavelength (nm)	850/ 1300/ 1310/ 1490/ 1550/ 1625	
Resolution	0.01dB / 0.001μw (1nw)	
Linearity	± 2% (0.087dB)	
Sensor Type	InGaAs	
Connector Adaptor *	Default: FC, Optional: SC FC & 2.5mm UPP *	
REF	Yes	
Display	**AOP110:** Color LCD display, Backlit ; **AOP100:** LCD display, Backlit	
Automatic Power Off	Yes (Settable 1 to 10 minutes)	
Data Storage	**AOP110:** 1000 traces ; **AOP100:** 40 traces	
Threshold Setting	**AOP110:** 10 sets (Pass/Fail) ; **AOP100:** Optional	
Calibration	Auto Test	
Multi-Wavelengths Display in Auto Wave ID Mode	**AOP110:** Yes ; **AOP100:** No	
Auto Wave ID Detect	**AOP110:** Yes (when used with AOS210 laser source); **AOP100:** Optional	
USB Interface	**AOP110:** Yes ; **AOP100 :** Optional	
Real Time Monitoring	10 minutes to 360 days, interval: 0.5s, 2s, 15s, 60s, 180s, 600s (**AOP100:** Optional)	
Optical Fiber Type	SM 9/125μm	
Visual Fault Locator (Optional)*	Output Power: 10mW (³7kms Single Mode/ ³5kms Multi Mode)	
Size (mm)	170 x 97 x 38	
Weight (g)	About 380	
Storage/ Operating Temperature/ Relative Humidity	-20°C to +60°C/ -10°C to +50°C/ < 90%RH	
Power Supply	AA*3 Batteries or AC/DC power supply by USB cable (*Additional cost)	
Standard Accessories	Carrying bag, USB cable, calibration certificate, manual, FC/UPC or SC/UPC connector (connector to be specified at time of ordering)	
Optional Accessories	Rechargeable batteries and AC/DC adaptor, VFL 10mW, Adaptor: ST Optional items are at extra cost	

*** To be specified at time of ordering**

Ordering Code : AOP110 X+Y+Z+A

X- Optical Power Meter	+	**Y**- Visual Fault Locator (Optional)	+	**Z**- Connector Type	+	**A**- AC/DC Power Adaptor
Example: T:+10~-70dBm C:+26~-50dBm		Example: V10:10mW		Example: FC/SC/ST		Example: ADA
← Default →		← Optional →		← Default →		← Optional →

Example1:	AOP110T-FC
Example2:	AOP110T-V10-FC
Example3:	AOP110T-V10-FC-ADA

*** Similarly, Ordering Code for AOP100: AOP100+X+Y+Z+A**

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