

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.

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



AOP100

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 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	17:57	17:57
925nm 00.00dBm <input checked="" type="checkbox"/>	925nm AUTO	1650nm AUTO
1650nm -10.00dBm <input checked="" type="checkbox"/>	-4.81 dBm	-14.81 dBm
700nm 00.00dBm <input checked="" type="checkbox"/>	330.07 μW	33.00 μW
700nm 00.00dBm <input checked="" type="checkbox"/>		
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700nm 00.00dBm <input checked="" type="checkbox"/>		
Factory Reset	Tone Freq ----	Tone Freq ----

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

Threshold Setting

Threshold	17:57
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	
	1310nm -5.05dBm
	312.84 μW
	1490nm -12.17 dBm
	60.66 μW
	1550nm -29.39 dBm
	1.15 μW
	1625nm LOW

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

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 *	FC (or SC) & 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 (7kms Single Mode/ 5kms 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 Example: T:+10~-70dBm C:+26~-50dBm	Y- Visual Fault Locator (Optional) Example: V10:10mW	Z- Connector Type Example: FC/SC/ST	A- AC/DC Power Adaptor 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

AOP110 | AOP100 is manufactured by Tribler, one of the worlds largest manufacturer of Optical Test Instruments including OTDR, OPM, OLS and test accessories.