

# Optical Laser Source | AOS210



Advanced

AOS210 Optical laser source is an **advanced highly stabilized Optical Laser Source** with option of configuring the instrument to provide **2 to 5 wavelength** outputs covering single mode, multi mode and PON optical fiber test applications, with additional feature of **disabling wavelength** and **Auto wavelength shifting** with Wave ID (when used with corresponding wavelength ID shifting Optical Power Meter), AOS210 can change wavelengths automatically in every 9 seconds, to allow one man fiber testing at multiple wavelengths.

## Features:

- 2~5 wavelengths (to be specified at time of ordering)
- Color LCD
- Output Power Adjustable Class 1 Laser
- Option Disabling Wavelength
- High stabilization, built-in optic isolator
- 270Hz, 1kHz, 2kHz modulation output
- CE, FDA certificate
- Auto wavelength shifting with Wave ID, works with OPM AOP110
- Three-year recommended calibration interval



## AOS210 Optical Laser Source Functions



- ➊ Laser Source connector
- ➋ LCD
- ➌ Laser source wavelength shifting
- ➍ Laser source modulation
- ➎ Laser source wave ID key (Auto WAVE ID key)
- ➏ USB
- ➐ Power On/Off
- ➑ Laser source Menu

Optical Laser Source Module Options	
Model	Operating Wavelengths (nm)
AOS210-M3M8	850/1300
AOS210-S3S5	1310/1550
AOS210-S3S4S5	1310/1490/1550
AOS210-S3S5S6	1310/1550/1625
AOS210-M3M8S3S5	850/1300/1310/1550
AOS210-M3M8S3S4S5	850/1300/1310/1490/1550
AOS210-M3M8S3S5S6	850/1300/1310/1550/1625

+

Adaptor Type To be specified with ordering Code	
Connector Options	
FC / PC (Default)	
SC / PC (Optional)	
ST / PC (Optional)	

# Specifications | AOS210 Optical Laser Source:



Module Options   AOS210 +	Multi Mode		Single Mode				VFL Option
	M8	M3	S3	S4	S5	S6	V10
Wavelength (nm)	850	1300	1310	1490	1550	1625	10mW VFL
Wavelength Output (nm)*	2~5						
Stabilization	± 0.05dB/ 1 hr; ± 0.1dB/ 8 hrs						
Output Power	> - 6dBm @ 1310nm/1490nm/1550nm/1625nm > -10 dBm @ 850nm/1300nm Optional -3dBm to 0dBm @ 1310/1550nm						
Laser Type	Class 1						
Modulation	270Hz, 1kHz, 2kHz						
Spectral Width	10nm @ 850/1300/1310/1550nm 5nm @ 1490/1625nm						
Connector Adaptor*	FC/PC (or SC)						
Wave ID	Auto Wavelength Shifting (every 9 seconds)						
Disabling Wavelength	Selectable						
Output Power Adjustable	Yes						
Display Type	Color LCD display, Backlit						
Automatic Power Off	Yes (Settable 1 to 10 minutes)						
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 adaptor (* Additional cost)						
Standard Accessories	Carrying bag, 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 : AOS210+Laser Modules Selected+VFL+Z+A

AOS210 ◀Default▶	+ Laser Modules Selected ◀Modules▶	+ Z-Connector Type Adaptor ◀Default▶	+ A-AD/DC Power Adaptor ◀Optional▶
<b>Example1:</b>	Laser Source+850nm+1300nm, FC Adaptor		: Multimode = AOS210-M8M3-FC
<b>Example2:</b>	Laser Source+1310nm+1550nm, SC Adaptor		: Singlemode = AOS210-S3S5-SC
<b>Example3:</b>	Laser Source+1310nm+1490nm+1550nm, FC Adaptor, AC/DC Adaptor		: Singlemode = AOS210-S3S4S5V10-FC-ADA

## Multiple Wavelength Insertion Loss Testing



1310nm testing	1310nm hold on 1490nm testing	1310,1490nm hold on 1550nm testing
17:57	17:57	17:57
1310nm -0.09 dB	1310nm -0.09 dB	1310nm -0.09 dB
REF Value -4.96 dBm	REF Value -4.96 dBm	REF Value -4.96 dBm
1490nm	1490nm -0.04 dB	1490nm -0.04 dB
REF Value -4.99 dBm	REF Value -4.99 dBm	REF Value -4.99 dBm
1550nm	1550nm	1550nm 0.31 dB
REF Value -5.10 dBm	REF Value -5.10 dBm	REF Value -5.10 dBm
1625nm	1625nm	1625nm
REF Value -5.57 dBm	REF Value -5.57 dBm	REF Value -5.57 dBm

AOS210 Optical Laser Source can change wavelengths automatically every 9 seconds (for use with AOP110 Optical Power Meter)



Asian Contec Ltd.

Asian Center, B-28, Okhla Industrial Area, Phase-1, New Delhi -110020, India.

Contact Nos. : Tel : +91-11-41860000 (100 Lines), Direct Sales Helpline : +91-11-41406926

Web : www.stanlay.in www.stanlay.com email: sales@stanlay.com

Regional Offices : • Faridabad • Mumbai • Bengaluru • Hyderabad • Bhubaneshwar • Guwahati

Quality Management System



ISO 9001: 2015

# 1-QSC202101102



Ref:ST/AOS210/2021