FLS-30

Three-Wavelength Laser Source

The FLS-30A is a new generation compact multi-wavelength laser source. It offers excellent stable light with accurate three wavelengths for field and laboratory use. It can transmit through a wavelength-identification digital encrypted protocol to enable FibreOptica's FPM-2x power meter series to recognize the wavelength and automatically shift to a proper calibrated wavelength. The feature can omit the need of communication between two users and hence decrease the potential test errors. It is perfect for testing PONs (Passive Optical Networks) with its built-in wavelength of 1310/1490/1550nm commonly used in FTTx and complies with ITU-T G.983 and G.984 recommendation and IEEE 802.3ah standard.

Specifications

Model	FLS-30A	FLS-30AF
Emitter type	LD	
Wavelengths (nm)	1310, 1490 and 1550	
Connector type	Interchangeable FC, SC and ST	
Output power	-5 dBm	
Adjustable range of output	± 3dB in 0.1dB step	N/A
Spectral width	≤ 5 nm	
15 min stability (dB)	< ±0.05 @1310nm and 1550; < ±0.1 @ 1490nm	
5 hours stability (dB)	< ±0.1 @1310nm and 1550; < ±0.2 @ 1490nm	
Central Wavelength	± 20nm	
Modulation frequencies	270Hz, 1KHz, 2KHz	
Auto Power Off	Yes	
Backlit	Yes	
Operating Temperature	-10 ~ +50ºC	
Storage Temperature	-20 ~ +70ºC	
Relative Humidity	<95% (Non-condensing)	
Power Supply	2pcs Ni-MH AA; 6V AC/DC Adapter	
Dimension (mm)	160L x 76W x 45H	
Weight (g)	270	

Note: Specifications subject to change without notice

Key Features

- Supports 3 wavelengths
- Adjustable output power
- LCD with back light
- Continuous Wave (CW) or modulated mode at 270Hz, 1KHz and 2KHz
- Automatically recognizes wave-length in use
- AC adapter and rechargeable batteries
- Indicates battery capability with auto shut-off function

Standard Package

- SC, ST and FC connectors
- Rechargeable Battery
- AC/DC power adapter
- Operating manual
- Soft carrying case
- Rubber boot

Related Products

FLS-20 series
FLS-22 series
FLS-40

Options

Part Number	Descriptions
MFA-FCLC	FC (Male) to LC (Female) Adapter
MFA-SCLC	SC (Male) to LC (Female) Adapter
MFA-STLC	ST (Male) to LC (Female) Adapter
Other types of connectors	Upon request
Hard-case	Aluminum carrying case

Order Information

FLS-30AX   X – F (Fixed Output)
None (Adjustable Output)