

FHS2DUO Series Optical Laser Source



Fig.1: FHS2DUO Series Optical Laser Source

Description:

Grandway provides high precision laser source. The FHS2DUO series laser source offers excellent stability and portability for accurate fiber optic testing. FHS2DUO series optical laser source is an advanced version of Laser Sources, with better features and more functions (duo function, etc.).

Duo Function Mode:

Wavelength switch automatically, each wavelength 5s (1310nm, 1550nm)

(long press “λ” button 2s, to enter or exit Duo Mode)

Auto-wavelength Recognition (TWIN Mode):

FHS2DUO Series Optical Laser Source transmits with a wavelength-identification digital encrypted protocol, enabling FHP2 Series Optical Power Meter or JDSU OLP-35 Power Meter to automatically detect the wavelength FHS2DUO series laser source launched. This feature reduces the need for communication between the two technicians and decreases the possibility of making mistakes.

Single output port provides stable laser power at dual wavelengths. The compact unit operates in either continuous wave (CW) mode or modulated mode. A low battery indicator reminds the user of replacing the battery.

* DUO-2 mode, long press "TWIN" button 2s, to enter/exit JDSU TWIN mode.

Features:

1. Easy-to-use, straight forward operation
2. Durable and portable
3. LCD backlight for easy operation in dark environment
4. DUO function is available
5. Twin function is available
6. Integrated with CW output function, 270Hz, 1kHz, and 2kHz are available
7. ±3dB adjustable output
8. Rechargeable battery inside
9. CE Certified IEC61326

Specification:

Type	FHS2DU0-1	FHS2DU0-2 (Compatible with Viavi and Grandway OPM)
Output Wavelength	1310 & 1550nm	
Type of Laser Source	FP-Laser	
Emitter Type	LD	
Industry Standards	IEC61326	
Laser Source Classification	Class I as per DIN EN 60825-1:2001	
Output Stability	short term (15min): $\leq \pm 0.02\text{dB}@1310, 1550\text{nm}$ long term (8hours): $\leq \pm 0.2\text{dB}@1310, 1550\text{nm}$	
Central Wavelength	$1310 \pm 20\text{nm}$ & $1550 \pm 20\text{nm}$	
Spectral Width	$< 5\text{nm}$	
Output Frequency(Hz)	270Hz, 1kHz, 2kHz (Duty cycle: 50%), $\geq -10\text{dB}$	
Output Power	$-5\text{dBm} \pm 0.5\text{dB}$	
Adjustable Range	$\pm 3\text{dB}, 0.1\text{dB/step}$	
Resolution	0.1 dB	
Power meter Compatibility	Compatible with FHP2S PM	Compatible with JDSU OLP-35 PM
Display Contents	Wavelengths (1310nm,1550nm), power level, modulator, material battery status, shutoff mode, operational mode.	
Auto Power-off	Yes, 15mins after idle conditions	
Back-light	Yes	

Operating Temperature	-10 to +50°C
Storage Temperature	-20 to +70°C
Screen Size	2.5inches, 54mm*37mm
Optical Interface	Universal interface: Interchangeable FC/PC, SC/PC
Power Supply	2pcs*Ni-MH AA (2500mAh)/Dry cell. Ac-line with AC/DC adaptor
Operating Time	80 hrs with back light off
Charging Time	< 2 hrs
Dimension	160mmL*76mmW*45mmH
Net Weight	270g
Standard Accessories:	
FC/PC adapter, SC/PC adapter, 3*ceramic sleeves, 2*AA rechargeable batteries, AC/DC charger, carrying bag, user manual, test report	
Optional Accessories:	
ST adapter (model: N000500);	
Male FC to female LC adapter for LC connector (model: HD078)	
Customization:	
APC laser launcher	