

FHS2T Series Optical Laser Source



Description:

FHS2T Series Optical Laser Source is an advanced version of FHS2 Series of Optical Laser Sources, with one more wavelength for FTTX PON testing.

Auto-wavelength Recognition:

FHS2T Series Optical Laser Source transmits with a wavelength-identification digital encrypted protocol, enabling FHP2 Series Optical Power Meter to automatically use the proper calibration wavelength. This feature reduces the need for communication between the two technicians and decreases the possibility of making mistakes.

FHS2T Series Optical Laser Source offers excellent stability and portability for accurate fiber optic testing.

Single output port provides stable laser power at three 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.

Testing Range:

Maximum testing range up to 150km (when using Grandway's FHS2T Series Optical Laser

Source with Granway's FHP2A04 Optical Power Meter).

Features:

1. Easy-to-use, straight forward operation
2. Eye-catching handheld appearance
3. LCD backlight for easy operation in dark environment
4. $\pm 3\text{dB}$ adjustable output
5. Rechargeable battery inside
6. 1310 & 1490 & 1550nm available for PON testing
7. Four wavelengths available for multi-purpose testing
8. One-year warranty and recommended calibration interval

Specification:

Type	FHS2T01	FHS2T01F
Output Wavelength	1310/1490/1550nm	
Emitter Type	LD	
Output Stability	Short Term (15 minutes): $<\pm 0.05\text{dB}@1310,1550\text{nm}$; $<\pm 0.1\text{dB}@1490\text{nm}$ Long Term (5 hours): $<\pm 0.1\text{dB}@1310,1550\text{nm}$; $<\pm 0.2\text{dB}@1490\text{nm}$	
Central Wavelength	$\pm 20\text{nm}$	
Spectral Width	5nm	
Output Frequency	270Hz, 1kHz, 2kHz	
Output Power	$-5\text{dBm}\pm 0.5\text{dB}$	
Adjustable Range	$\pm 3\text{dB}$, 0.1dB/step	N/A
Auto Power-Off	Yes	
Back-light	Yes	
Operating Temperature	-10 to $+50^\circ\text{C}$	
Storage Temperature	-20 to $+70^\circ\text{C}$	
Power Supply	2pcs*Ni-MH AA; 6V AC/DC Adapter	
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

Note:

1. FHS2T01: $-8\sim 0\text{dBm}$ Output Power is optional. ($-3\text{dBm}\pm 3\text{dB}$, 0dBm max.)
2. FHS2T01F: $-8\sim 0\text{dBm}$ Output Power is optional. (0dBm max.)