

## FHS2Q Series Optical Laser Source



Fig.1: FHS2Q Series Optical Laser Source

### Description:

FHS2Q Series Optical Laser Source is an advanced version of FHS2 Series of Optical Laser Sources, with two more calibrated wavelengths.

### Auto-wavelength Recognition:

FHS2Q 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.

FHS2Q Series Optical Laser Source offers excellent stability and portability for accurate fiber optic testing.

Two output ports provide stable laser power at four 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.

**Features:**

1. Easy-to-use, straight forward operation
2. Eye-catching handheld appearance
3. LCD backlight for easy operation in dark environment
4. Rechargeable battery inside
5. Four wavelengths available for multi-purpose testing
6. One-year warranty and recommended calibration interval

**Specification:**

Type	FHS2Q01F	FHS2Q02F
Output Wavelength	850/1300/1310/1550nm	1310/1490/1550/1625nm
Emitter Type	LD	
Output Stability	Short Term (15 minutes): $<\pm 0.05\text{dB}@1310,1550\text{nm};$ $\pm 0.1\text{dB}@850\&1300\text{nm}$ Long Term (8 hours): $<\pm 0.1\text{dB}@1310,1550\text{nm};$ $\pm 0.2\text{dB}@850\&1300\text{nm}$	Short Term (15 minutes): $<\pm 0.05\text{dB}@1310,1550\text{nm};$ $\pm 0.1\text{dB}@1490,1625\text{nm}$ Long Term (5 hours or above): $<\pm 0.1\text{dB}@1310,1550\text{nm};$ $\pm 0.2\text{dB}@1490,1625\text{nm}$
Central Wavelength	$\pm 20\text{nm}$	
Spectral Width	5nm	
Output Frequency	270Hz, 1KHz, 2KHz	
Output Power	$-5\text{dBm} \pm 0.5\text{dB}$	
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 (2500mAh)	
Dimension	160mmL*76mmW*45mmH	

Net Weight	270g
<b>Standard Accessories:</b>	
2*FC/PC adapters, 2*SC/PC adapters, 3*ceramic sleeves, 2*AA rechargeable batteries, AC/DC charger, carrying bag, user manual, test report	
<b>Optional Accessories:</b>	
2*ST adapters (model: N000500); Male FC to female LC adapter for LC connector (model: HD078)	
<b>Customization:</b>	
APC laser launcher	

Note:

1. FHS2Q01F: 1310/1550nm: -8~0dBm Output Power is optional. (0dBm max.)  
850/1300nm: -8~-3dBm Output Power is optional. (-3dBm max.)
2. FHS2Q02F: -8~0dBm Output Power is optional. (0dBm max.)