

## ST815 Laser Source

-----SM, MM, SM&MM



### I. Brief Introduction

ST815 Laser Source can support stable laser signal on many kinds of wavelength, it can identify fiber, test fiber loss and continuity accurately, help to evaluate transmission quality of fiber chain as well. It supplies high performance laser source for field test and lab project development. With features of durable structure, large LCD display with backlight and friendly operation interface, the ST815 advanced stability handheld optical light source provides a lot of convenience for your field work. High stability of output power and quite stable output wavelength, it is an ideal instrument for optical network installation, trouble shooting, maintenance and other optical fiber related systems. It can be widely operated for LAN, WAN, CATV, remote optical network, etc. Cooperate with ST800 series Optical Power Meter; it can distinguish fiber, test optical loss and connection, help to evaluate fiber transmission performance.

### II. Key Features

1. Handhold, easy to operate
2. Two to Four wavelength optional



3. Continuous light, modulated light output
4. Output double wavelength or three wavelengths through single tie-in
5. Output three or four wavelength through double tie-in
6. High stabilization
7. Auto 10 minutes shut off function
8. Big LCD, intuitive, easy to use
9. LED backlight switch on/off
10. Auto close back light in 8 seconds
11. AAA dry battery or Li battery
12. Battery voltage display
13. Low voltage checking and shut off to save energy



### III. Technical Specifications

Key Tech Specifications	
Emitter type	FP-LD/ DFB-LD
Output wavelength switch (nm)	ST815 Wavelength: 1310±20nm, 1550±20nm
	ST815B Wavelength: 1310±20nm, 1550±20nm, 1490±20nm
	ST815C Wavelength: 1310±20nm, 1550±20nm, 850±20nm, 1300±20nm
	ST815D Wavelength: 1310±20nm, 1550±20nm, 1625±20nm
	ST815E Wavelength: 1310±20nm, 1550±20nm, 650±20nm
Spectral width (nm)	≤5
Output optical power (dBm)	≥-7, ≥0dBm (customized) ,650 nm≥0dBm
Optical Output Mode	CW continuous light Modulization output: 270Hz, 1kHz, 2kHz, 330Hz 650nm red light:: 2Hz and CW
Power Stability (dB) (Short time)	≤±0.05/15min
Power Stability (dB) (Long time)	≤±0.1/5h
General specifications	
Working temperature (°C)	0--40
Storage temperature (°C)	-10---70
Weight (kg)	0.22
Dimension (mm)	160×76×28
Battery	3 pieces AAA dry battery or Li battery, LCD display
Battery working duration (h)	dry battery about 15 hours