

ST800K-U Optical Power Meter



I. Brief introduction

With a wide range of functions, ST800K-U optical power meter is a powerful tool for use in fiber-optic installation and maintenance. Its rugged, durable construction makes it the perfect choice for a wide range of field applications.

ST800K-U Optical Power Meter can test optical power within the range of 800~1700nm wave length. There are 850nm, 1300nm, 1310nm, 1490nm, 1550nm, 1625nm, six kinds of wavelength calibration points. It can be used for linearity and non-linearity test and it can display both direct and relative test of optical power.

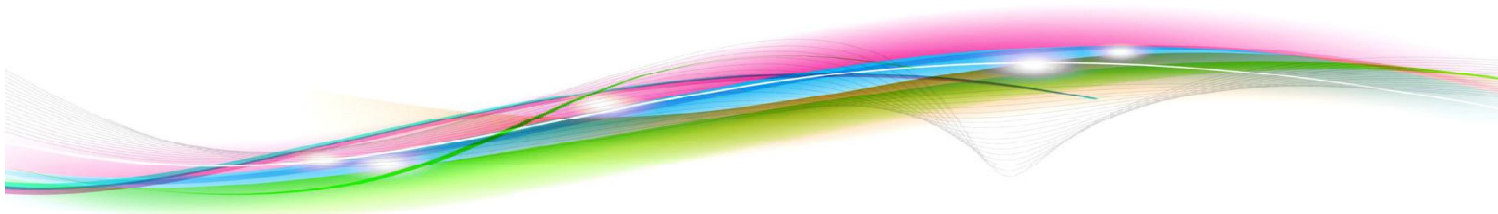
This meter can be widely used in the test of LAN, WAN, metropolitan network, CATV net or long-distance fiber net and other situations.



II. Functions

- 1) Multi-wavelength precise measurement
- 2) Absolute power measurement of dBm or μW
- 3) Relative power measurement of dB
- 4) Auto off function
- 5) 270, 330, 1K, 2KHz frequency light identification and indication



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- 6) Low voltage indication
 - 7) Automatic wavelength identification (with the help of light source)
 - 8) Store 1000 groups of data
 - 9) Upload test result by USB port
 - 10) Real-time clock display
 - 11) Output 650nm VFL and the standard output power is 3mw.
 - 12) Applicable to versatile adapters (FC, ST, SC, LC)
 - 13) Handheld, large LCD backlight display, easy-to-use

III. Specifications

Wavelength range (nm)	800~1700
Detector type	InGaAs
Standard wavelength(nm)	850, 1300, 1310, 1490, 1550, 1625
Power testing range (dBm)	-50~+26 or -70~+10
Uncertainty	±5%
Resolution	Linearity: 0.1%, Logarithm: 0.01dBm
Storage Capacity	1000 groups
General specifications	
Connectors	FC, ST, SC, LC
Working temperature (°C)	-10~+50
Storage temperature (°C)	-30~+60
Weight (g)	430 (without batteries)
Dimension (mm)	200×90×43
Battery	4 pcs AA batteries Or lithium battery
Battery working duration(h)	No less than 75 (according to battery volume)
Auto power off time (min)	10

Products of ST800K-U Optical Power Meter Series

Model No.	Power test range (dBm)	Adapter interface	Battery	Marks
ST800K-UA	-50~+26	FC,ST,SC	Rechargeable Li-ion battery	If you need Dry AA battery, inform us in advance.
ST800K-UB	-50~+26	FC,ST,SC,LC	Rechargeable Li	
ST800K-UC	-70~+10	FC,ST,SC	Rechargeable Li	
ST800K-UD	-70~+10	FC,ST,SC,LC	Rechargeable Li	

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