

12-1020 Optical Power Meter



1. Brief introduction

With a wide range of functions, 12-1020 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.

12-1020 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.

2. 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



- 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
- 12) Applicable to versatile adapters (FC, ST, SC, LC)
- 13) Handheld, large LCD backlight display, easy-to-use

3. 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
	-50~+26	FC,ST,SC	Rechargeable Li-ion battery	If you need Dry AA battery, inform us in advance.
	-50~+26	FC,ST,SC,LC	Rechargeable Li	
	-70~+10	FC,ST,SC	Rechargeable Li	
	-70~+10	FC,ST,SC,LC	Rechargeable Li	

Please tell us the model No. you need, and we can give you a proper price.



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