



Manual Multifunctional OPM with VFL, Flashlight and RJ-45 Wiremap

Introduction

The CableMaster-FO is a multifunctional Optical Power Meter of Softing integrates the functions of optical power meter, VFL, RJ45 network cable test, flashlight and other functions. The design is small and lightweight, sturdy and durable, and is suitable for applications such as FTTX broadband installation and maintenance test and optical fiber network cable comprehensive test.

Features

- Solid, Robust and Durable
- Multifunction in one (optical power meter, VFL, RJ45 network cable test, flashlight)
- Universal Optical Interface (SC/FC/ST)
- Multi-Unit Display (dBm/dB/mW)
- Support relative value measurement function
- Support user calibration function
- Support USB interface charging (optional)
- Support over 80 hours of continuous use time (only OPM mode)
- Smart power saving



Test Range	Supported Wavelengths	Accuracy	VFL Output Power
-70dBm~+10dBm@1550nm	850/1300/1310/1490/1550/1625/1650nm	±0.35dB	0 dBm 1 mW

WARNING: When using dry battery for power supply, it is forbidden to connect external power adapter to prevent danger

Specifications

OPM	
Detector Type	InGaAs
Working Wavelength	800nm-1700nm
Display Resolution	0.01 dBm
Frequency Identification	270Hz/330Hz/1 kHz/2kHz
Optical Port	2.5mm universal FC/SC/ST
VFL	
Working Wavelength	650nm±30nm
Output Mode	CW/1Hz/2Hz
Optical Port	2.5mm universal FC/SC/ST
Others	
Battery	Ni-MH rechargeable battery
Continuous working time	80 hours(only OPM mode)
Auto Power-Off	10 minutes
Working Temp	-10°C - +50°C
Storage Temp	-25°C - +70°C
Storage Humidity	0 - 95% (No condensation)
Dimension	105L x 65W x 25H (mm)
Weight	140g

Panel Definition



Key	Short Press	Long Press
K1	Power ON (Short Press after power on to disable Auto-Power-OFF Function) Save the current Reference value in Calibration-Mode (CAL)	Power OFF
K2	Recall of stored data (up to 50 results)	Save current value
K3	Switch Units (db, dBm, mW) Value increase by 0.05 dB in Calibration-Mode (CAL) Recall / Scroll the stored Data	Set current Power as Reference value
K4	VFL Button, switch CW/1Hz/2Hz working Mode Value decrease by 0.05 dB in Calibration-Mode (CAL) Recall / Scroll the stored Data	
K5	Turn ON/OFF Screen Backlight	Flashlight
K6	Wavelength selection 850/1300/1310/1490/1550/1625/1650	
K2+K5	Enter/Quit Calibration-Mode (CAL)	
K3+K5	Restore factory calibration value settings	

4

Maintenance

- If using dry battery version do not charge the device
- It is recommended to clean the universal connector of the device and the measuring cable regularly, at the latest when they become dirty through use. Optical cleaning materials are recommended. Please make sure that the cleaning agent does not get inside the device.

Package contents



1 x USB Charging Cable



1 x Adapter 2.5 to 1.25 mm



3 x AAA NiMH 1.2 V Batteries



1 x Main-Device with integrated Remote



6

Interface Description



No.	Function	Description
1	VFL	VFL Port
2		LED Flashlight
3	OPM	Optical Powermeter Port
4		Type-C USB Charging Port
5		RJ-45 Port and RJ-45 Remote Module used for Patchcord Wiremap Test

5

How to open the CableMaster FO top cover!



Don't use violence to open it up!



Press in gently to release the latch!



The Top cover can be opened easily!

7