

FHM2 Series Optical Multimeter

Description

Grandway provides high precise optical multimeter. FHM2 series optical multimeter integrates a stable laser source and a precise optical power meter.

The laser source unit launches the laser which the wavelength is at 1310/1490/1550nm or 1310/1550nm(according to the model). The optical power meter unit can recognize the wavelength automatically. It is certain that, multimeter offers a large storage capacity. With the assorted software, user can generate a report or manage the test report easily.

Features

- Three output wavelength at one output interface
- Both continuous wave and modulated wave are available, the frequency of modulated signal is 270Hz, 1kHz, 2kHz
- Back light display
- Integrated with charging circuit
- 999 test result storage
- USB interface for connecting PC with assorted software
- Automatic shutdown in low power status



Part Number	Description
FHM2A01	Dual wavelength optical multimeter, calibration wavelength: 850/1300/1310/1490/1550/1625nm, launch wavelength: 1310/1550nm, measure range:-70 to +10dBm



Part Number	Description
FHM2B01	Dual wavelength optical multimeter, calibration wavelength: 850/1300/1310/1490/1550/1625nm, launch wavelength:1310/1550nm, measure range:-50 to +26dBm

Specification

FHM2x01 dual wavelength multimeter	FHM2A01	FHM2B01
Power meter parameters		
Calibration wavelength(nm)	850/1300/1310/1490/1550/1625	
Connector	Interchangeable FC/SCfor PC/APC	
Data storage(items)	999	
Ref.Value	Yes	
Display Units	dB/dBm/mW/uW	
Display precision(dB)	0.01	
Accuracy	±5%±1nW	
Wavelength Recognition	1310/1550/(input power≥-40dBm)	
Tone Detection	270Hz/1KHz/2KHz(input power≥-40dBm)	
Measuring Range(dBm)	-70 to +10	-50 to +26
Laser source parameters		
Output Wavelength(nm)	1310/1550	
Connector	Interchangeable FC/SC for PC	
Modulation Frequency	270/1K/2K Hz	
Output Power	-5dBm±0.5dB	
Stability Long-term(8h)	±0.1dB@1310/1550nm	
Stability Short-term(15min)	±0.05dB@1310/1550nm	
Wavelength Recognizing Code	Yes	
Auto Power off	√	
General parameters		
Power Supply	2pcs *NiHM 1.2V,2000mAh;AC/DC Adaptor	
PC Interface	USB	
Battery Life	>100Hours(laser off)	
Storage Temperature	-20°C~+70°C	
Operating Temperature	-10°C~+50°C	
Relative Humidity	<90%(Non-condensing)	
Dimension(mm)	168L×76W×45H	
Weight(g)	260	

Standard accessories

(LD)FC connector, (LD)SC connector, (PD)FCΦ1000 adaptor, (PD) SCΦ1000 adaptor, 2*AA Ni-MH battery, AC adaptor, screw-driver, PC disk, USB cable, user manual, carrying case

Optional accessories

Only for power meter module: 1.25mm multi-connector or 2.5mm multi-connector

Customization

Only for laser source module: FC/APC or SC/APC or ST/APC

Specification

FHM2x02 multimeter		
	FHM2A02	FHM2B02
Power meter parameters		
Calibration Wavelength(nm)	850/1300/1310/1490/1550/1625	
Connector	Interchangeable FC/SCfor PC/APC	
Data Wstorage(items)	999	
Ref.Value	Yes	
Display Units	dB/dBm/mW/uW	
Display Precision(dB)	0.01	
Accuracy	±5%±1nW	
Wavelength Recognition	1310/1490/1550/(input power≥-40dBm)	
Tone Detection	270Hz/1KHz/2KHz(input power≥-40dBm)	
Measuring Range(dBm)	-70 to +10	-50 to +26
Laser source parameters		
Output Wavelength(nm)	1310/1490/1550	
Connector	Interchangeable FC/SC for PC	
Modulation Frequency	270/1K/2K Hz	
Output Power	-5dBm±0.5dB	
Stability Long-term(8h)	±0.1dB@1310/1550nm;±0.2dB@1490nm	
Stability Short-term(15min)	±0.05dB@1310/1550nm;±0.1dB@1490nm	
Wavelength Recognizing Code	Yes	
Auto Power off	√	
General parameters		
Power Supply	2pcs *NiHM 1.2V,2000mAh;AC/DC Adaptor	
PC interface	USB	
Battery Life	>100Hours(laser off)	
Storage Temperature	-20°C~ +70°C	
Operating Temperature	-10°C~ +50°C	
Relative Humidity	<90%(Non-condensing)	
Dimension(mm)	168L×76W×45H	
Weight(Gram)	260	
Standard accessories		
(LD)FC connector, (LD)SC connector, (PD)FCΦ1000 adaptor, (PD) SCΦ1000 adaptor, 2*AA Ni-MH battery, AC adaptor, screw-driver, PC disk, USB cord, user manual, carrying case		
Optional accessories		
Only for power meter module: 1.25mm multi-connector or 2.5mm multi-connector		
Customization		
Only for laser source module: FC/APC or SC/APC or ST/APC		



Number	Description
02	Triple wavelength optical multimeter, detect wavelength: .850/1300/1310/1490/1550/1625nm, launch wavelength: 1310/1490/1550nm, measure range: -70 to +10dBm



Part Number	Description
FHM2B02	Triple wavelength optical multimeter, detect wavelength: .850/1300/1310/1490/1550/1625nm, launch wavelength: 1310/1490/1550nm, measure range: -50 to +26dBm