

FHM2 Series Optical Multimeter

Description

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

The laser source launches the laser whose wavelengths are 1310/1490/1550nm or 1310/1550nm (according to different models). The optical power meter can recognize the wavelength automatically. 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
- Data storage up to 999 test results
- 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/SC (ST optional)		
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	fixed FC/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			
FC adapter, SC adapter, 2*rechargeable batteries, AC/DC adaptor, USB cable, carrying bag, CD disk, user manual, test report			
Optional Accessories			
ST adapter (model: N000500)			

Specification

FHM2x02 multimeter

	FHM2A02	FHM2B02
Power meter parameters		
Calibration Wavelength(nm)	850/1300/1310/1490/1550/1625	
Connector	interchangeable FC/SC (ST optional)	
Data Storage (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	FC/PC, SC/PC	
Modulation Frequency	270/1K/2K Hz	
Output Power	0dBm±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

FC adapter, SC adapter, 2*rechargeable batteries, AC/DC adapter, 3*ceramic sleeves, USB cable, carrying bag, CD disk, user manual, test report

Optional Accessories

ST adapter (model: N000500), 1.25mm PD adapter, 2.5mm PD adapter

Customization

APC



Part Number Description

FHM2A02 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