User's Guide to the FHP2A/B04 SERIES

Optical Power Meter

VFL and Bluetooth is optional

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Android APP

Specifications

Model	FHP2A04	FHP2B04
Sensor Type	InGaAs	
Working Wavelength	800~1700nm	
Calibrated Wavelength	Standard: 850/1300/1310/1490/1550/1625nm Optional: 980nm/1270nm/1577nm/1650nm,etc (Please contact sales for other customized wavelengths)	
Test Range	-70~+10dBm	-50~+26dBm
Accuracy	±0.2dB	
Resolution	0.01dB	
Frequency Detection	270Hz/330Hz/1kHz/2kHz	
Recognizable Wavelength	850/1300/1310/1490/1550/1625nm*(with FHS2 series laser source)	
Frequency identification range	-40dbm~+10dBm@1550nm	-20dBm~+26dBm@1550nm
Wavelength identification range	-40dbm~+10dBm@1550nm	-20dBm~+26dBm@1550nm
Unit display	dBm/dB/mw	
VFL(Optional)	Working wavelength: 650±10nm Output power: 10mw Working mode: CW/2Hz	
Bluetooth(Optional)	Can be connected with mobile phone software through Bluetooth	
Memory Capacity	999 groups (can be transferred to PC software and generate report)	
Electric port	TYPE-C charging/data port	
Optical port	OPM: FC connector ; VFL: FC connector	
Power Supply	2*Ni-MH AA battery (Continuous use for 40 hours only OPM mode) Input:AC100~240V, 50/60Hz Output:DC5V/1A	
Working temperature	-10℃~+50℃	
Storage temperature	-20℃~+70℃	
Dimension/Weight	160L×76W×45H(mm) / 265g	
Accessories	2*Ni-MH AA battery, FC adapter, SC adapter, Power adapter, USB cable, Test report, Quick guide, Carrying bag	

Introduction

The new generation FHP2A04 and FHP2B04 power meter are designed for accurate optical power measurement and loss measurement, which adds 10mw VFL and Bluetooth optional functions. New FHP2 series power meter provide more calibrated wavelengths and higher precision power test performance. Through the Bluetooth function, test report can be immediately generated on mobile phone software. In addition, the new power meter is more convenient for power calibration.

When working with FHS2 series laser source, which will enable FHP2 series power meter to identify the current wavelength automatically. This feature reduces the need for communication between two technicians and decrease the possibility of make mistakes.

Operation

Single Key Function Definition

No	Single Key	Function
1	K1 ON OFF	Press(>2s) to power on/off the instrument. Long press(>3s) while power on to disable the Auto-off function
2	K2 λ	Short press: Switch measurement wavelength in sequence of 850nm/1300nm/1310nm/1490nm/1550nm/1625nm Press (>2s) to activate the TWIN function(Automatic wavelength identification with FHS2 series laser source)
3	K3 dBm/dB/mW	Switch measurement unit among dBm,dB and mw In the history data mode: Short press to delete the current saved data Press (>2s) to delete all the saved data
4	K4 LOAD	Short press to display the history data Press (>2s) to store the current test data
5	K5 REF	Short press to display the reference level of current test wavelength Press (>2s) to set the reference level of current test wavelength
6	K6	Short press to turn on/off backlight
7	K7	Short press to turn on/off instrument sound
8	K8 VFL	Press (>2s) to turn on/off the VFL function, short press to switch the VFL working mode from CW mode to 2Hz flashing mode
9	K9	Short press to turn on/off instrument bluetooth

Combination key function definition

No	Combination Key	Function
1	K3+K4	Press "K3+K4" together to enter/quit the optical power calibration mode In OPM CAL mode: Press K2 to increase power by 0.01dB Press K5 to decrease power by 0.01dB Long press K2 to increase power by 0.1dB Long press K5 to decrease power by 0.1dB Press "K3+K5" to clear the current calibration
2	K3+K6	Power on the VFL first, then Press"K3+K6" together to enter/quit the VFL calibration mode. In VFL CAL mode: Press K2 to increase VFL power Press K5 to decrease VFL power

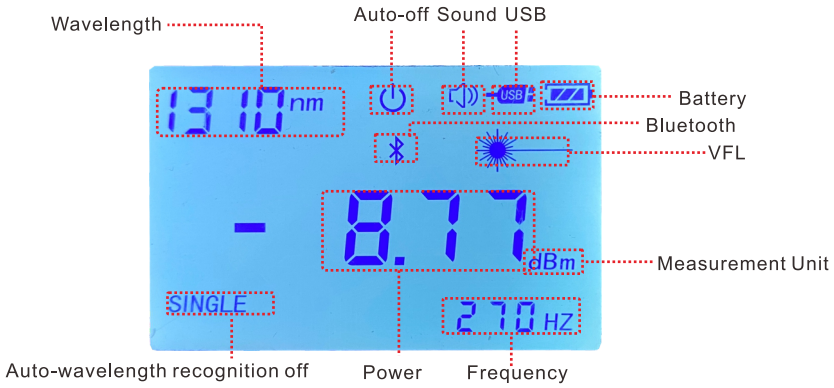
Appearance

Note: If not select VFL and Bluetooth function, there is only OPM port, and the keypad lacks Bluetooth and VFL buttons

Maintenance

- It is forbidden to use charger with non-standard voltage and dry battery when charging
- Please close the dust cap to prevent dust and dirt entering the optical port from affecting t he test accuracy when you finish using
- In case of deviation in test accuracy, please use alcohol cotton swab to clean the optical port and use standard equipment for calibration
- It is forbidden that point the VFL at the human body to prevent unnecessary damage

LCD



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MANUAL

SOFTWARE

+86-21-54451260/61/62/63
+86-21-54451266
overseas@grandway.com.cn
www.grandwaytelecom.com
6FXin'an building No.99 Tianzhou Road Shanghai,200233 P.R.China