JOINWIT 嘉慧

Handheld Optical Power Meter

JW3208 Manual

1.Overview

Joinwit designs JW3208 series optical power meter to meet the high demand. It intergrades the JW3203R handheld optical power meter and the JW3206 intelligent optical power meter in one unit.

It can be used for the absolute power measurement and relative measurement of the link loss in dB.Its compact size, friendly operation interface, broad power measurement range, high precision and brand-new user automatic calibration function and high performance in application makes it an ideal tool for optical fiber network.

A -- Calibrated wavelength: 850/980/1300/1310/1490/1550 nm
Measurement range: -70~+ 6 dBm

C -- Calibrated wavelength: 850/980/1300/1310/1490/1550 nm
Measurement range: -50~+26 dBm

2.Specifications

Model	JW3208A	JW3208C
Wavelength Range(nm)* 1	800~1700	
Detector Type	InGaAs	
Measurement Range(dBm)* 2	-70~+6	-50~+26
Uncertainty* 3	±0.25 dB	
Accuracy	0.01 dB	
Operating Temperature(℃)	-10~+60	
Storage Temperature(℃)	-25~+70	
Auto-off Time(min)	10	
Operating Time(h)	≥ 130	
Battery	3 AA 1.5V	
Weight(g)	160	
Dimensions(mm)	152 X 74 X 26	

Notes: ① Wavelength Range: Specified standard operating wavelength range in which the Power Meter can work properly under certain technical specifications.

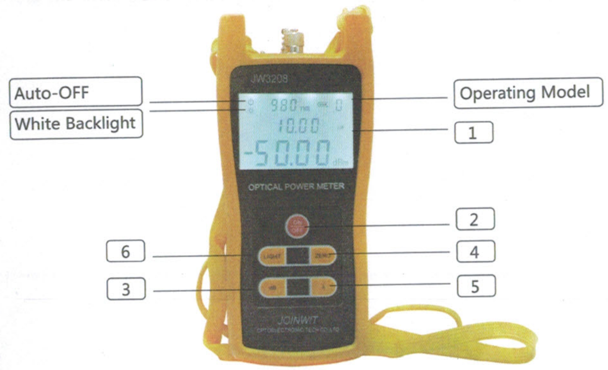
② Power Measurement Range: The maximum and minimum range in which the Power Meter can work properly.

③ Uncertainty: Difference between two measurement results that were tested by Power Meter and another Standard Power Meter respectively.

3.Standard Packages

1. JW3208 Handheld Power Meter ---------------------------------- 1
2. Manual -- 1
3. Protective Holster -- 1
4. 1.5V AA Battery --- 3
5. Cotton Swabs --- 1

4.Panels and Functions



5.Keys and Functions

1. LCD
   The LCD screen display the measurement tested in dB, dBm, mW, uW, nW unit; the selected wavelength; the current operating situation and so on.
2. ON/OFF Key
   Press the key to turn the unit on/off.
3. dB Key
   To test the power value under certain wavelength.
4. ZERO Key
   Press the key for auto-zero.
5. λ Key
   To switch the current operating wavelength between 850nm、 980nm、1300nm、1310nm、1490nm,、1550nm.
6. LIGHT Key
   To turn the background light on/off .

ON/OFF
(1) Press the On/Off key for a few seconds to turn on the unit
(2) Press the On/Off key for a few seconds to turn off the unit

Absolute power measurement
(1) Turn on the Power Meter.
(2) Press the λ key to switch between the wavelengths.

(3) Connect the light to be measured, and then reading will be displayed on the LCD screen, including Linear and nonlinear value.

Relative power measurement
(1) Select the wavelength to be measured.
(2) Under "Absolute power measurement mode", connect to the light to be tested.
(3) Press dB key, then current power value is stored as a reference value in dB unit. At the same time it also display the current absolute power value and current relative value is 0dB.
(4) Connect to another beam of light to be tested, display the current relative power value and absolute power value under tested..

Special function
1.Working Mode : Enter the Working mode. Numeral "0" will be displayed on the top right corner.
2. User Mode : Press the λ + Light key synchronously, then enter the User mode. Numeral "1" will be displayed on the top right corner. Press theλ + Light key synchronously once again, it exit from the User mode.

Function	Button
Plus 0.05	LIGHT
Minus 0.05	dB
Store	ON/OFF
Switch Wavelength	λ

Background light On/Off
Under the Working Mode, press LIGHT to turn the background light On/Off. A little sun symbol will be displayed on the top left.

6.Troubleshooting

Description	Problem	Method
Faint LCD display	Battery is weak	Change battery
No display after turning on the unit	Battery is weak/ Others	Turn on the unit again/ Change battery
Insensitive display in LCD	Light interface is polluted/ broken/ Display locked	Check connector carefully and clean sensor' s interface

JOINWIT 嘉慧

SHANGHAI JOINWIT OPTOELECTRONIC TECH.CO.,LTD

Website : English.joinwit.com

Add:3/F, 168 North Huancheng Road, Fengxian District,Shang

TEL : +86 21 6435 7213 E-mail : joinwit@joinwit.com

FAX : +86 21 6435 7212