

High Precision Power Meter

JW3220 is a new version 3.5-inch color screen version of high-precision optical power meter that developed by FIBERWDM. In addition to providing superior dynamic range and linearity technical index, it is also equipped with rich menu function design, it covers the functions of threshold alarm configuration, real-time monitoring of maximum and minimum power change, frequency signal detection and visual fault locator. When used in conjunction with our light source, it has the function of automatically identifying the wavelength of the light source, which is very convenient for testing the link loss, and can store and upload the test data of the instrument. The instrument provides the standard communication interface protocol, which is convenient for the user to embed the system or secondary design and development. It is an ideal tool for the maintenance and communication teaching and research of optical fiber engineering.

Features

- ◆ 90 dB dynamic range
- ◆ Maximum support provided for 45 calibration wavelengths
- ◆ Threshold setting with pass/fail alarm function
- ◆ Automatic wavelength identification function
- ◆ Real-time testing of PMAX/PMIN
- ◆ Detection function of frequency light
- ◆ Real-time data reading function is provided to facilitate the application of embedded system
- ◆ Support visual fault locator function
- ◆ Storing 1,000 pieces of data



Applications

- ◆ Engineering maintenance of optical fiber network
- ◆ Engineering maintenance of Digital Data Network
- ◆ Teaching and research of optical communication
- ◆ Other optical fiber works

Specifications

Model	JW3220 High Precision Power Meter	
OPM part		
Detector type	InGaAs	
Detector area	Φ 2.0mm	
Wavelength test range (nm)	800~1700	
Measuring range(dBm)	+10~-80	+26 ~ -65
Default calibration wavelength(nm)	850/980/1270/1300/1310/1490/1550/1577/1625/1650	
Total calibrate wavelengths	Max support 45 (customize)	

Min display resolution(dB)	0.0001
Uncertainty (dB)	≤0.13
Linearity (dB)	≤0.05dB(+10dBm ~ -60dBm)
	≤0.1dB(-60dBm ~ -70dBm)
Frequency identification (Hz)	270、330、1K、2K
Measurement unit	dBm、dB、xW
Interface	FC、SC、ST、LC、 ϕ 2.5mm、 ϕ 1.25mm
Display size	3.5-inch TFT color screen
VFL	
Wavelength (nm)	650
Output power(mW)	10
Others	
Power supply	3.7V 4000mAh lithium battery/Micro USB
Auto turn-off (min)	10
Communication interface	Micro USB /USB-TypeB(optional)
Operating temperature (°C)	-10~+60
Storage temperature (°C)	-25~+70
Dimension (mm)	188×88×44
Weight (g)	400