Handheld Optical Wavelength / Power Meter (HWPM)

RoHS Compliant

Features / Benefits

- Handheld and lightweight
- Measures both wavelength and power
- Cost effective and time saving
- A simple and convenient tool for system integration
- Built-in USB 2.0 interface
- Rugged housing, sleek, stylish design
- Brilliant 3.5" color TFT display
- Bluetooth™ ready
- One CF type II card expansion slot
- One SD / MMC card expansion slot
- Built-in data storage management
- Touch screen and user friendly GUI

Applications

- On-site services
- Network installation
- Network monitoring
- CATV
- FTTx
- Manufacturing
- Repairing

The j²waves Handheld Optical Wavelength / Power Meter (HWPM) is a multi-functional meter, which measures the wavelength and the optical power of an optical signal. The instrument can be used to measure wavelength of lasers from 1260 to 1620 nm. It is an economical, accurate and easy-to-use handheld unit. The HWPM is suitable for testing single-mode ** optical systems. It is also ideal for FTTx, WDM PON tests. The unit was designed to operate in the rough fiber cable installation and maintenance environments.

In addition to precise measurements of optical wavelength and power, the HWPM is loaded with standard features, such as log / linear display modes, auto ranging, user calibration, and reference measurement capabilities. It also comes with Ligthwaves2020's advanced control and monitoring GUI software.

** Free Space adaptor is available

Lightwaves2020

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Specifications

Optical

Parameters	Unit	Specification
Wavelength Range	nm	1260 to 1620
Wavelength Accuracy	nm	+/- 0.1*
Wavelength Display Resolution	nm	0.01
Optical Power Range in Wavelength Measurement	dBm	+15 to -35
Power Range	dBm	+15 to -60
Optical Power Accuracy	dB	+/- 0.1*
Maximum Input Optical Power	dBm	20
Power Resolution	dB	0.01
Optical Connector	-	SC / UPC

*: The accuracy is in 1310 nm and 1550 nm, at 23 °C.

Environmental & Physical

Item	Unit	Specification
Operating Temperature	°C	0 to 40
Storage Temperature	°C	- 20 to 70
Relative Humidity (Non-Condensing)	%	10 to 90
Size (H x W x D)	mm	88 x 192 x 35
Weight With Jacket	lb	1.2
Power Supply	VDC	9, batteries or adaptor
Battery Life	hrs	8