

2498C Optical Power Meter

Product overview

2498C is a handheld and intelligent tester of multiple functions, which integrates light source and optical power meter. Besides absolute and relative power tests, it can perform optical loss tests of optical fibers, optical cables and optical passive components. It is ideal for installation, maintenance and repair of optical fiber communication and cable TV systems.



Main characteristics

- Small in size, light in weight, easy for carry-over, simple for operation
- Built-in rechargeable battery and AA alkaline dry battery
- Data storage and readout functions
- Automatic zeroing
- Anti-dust cover for optical interface, can protect it from being polluted

Portable and easy for operation

Handheld with a small size, easy for carrying, suitable for field operation

Built-in rechargeable battery and dry battery are available

Internal power management circuit controls battery recharging and electricity quantity. You can use the built-in lithium battery. The compartment can hold 3 AA dry batteries as an alternative.

Data storage and readout functions

You can store current power values per your needs, read the data from the upper computer (host computer) software and get the date displayed.

Automatic zeroing

Press the zeroing button to perform automatic zeroing, which can ensure accurate measurement on weak signals.

Typical applications

For installation, maintenance and repair of optical fiber communication and cable TV systems, to prevent damages to equipment like OTDR caused by light. You may test with the optical fiber multimeter. You may conduct installation when there is no light.

Active optical fiber multimeter can be used as a testing system for loss testing of optical passive components.

Technical specifications

Optical power meter	Model	2498C-P1	2498C-P2
	Power range	-70dBm ~ +3dBm	-50dBm ~ +26dBm
	Calibration wavelength	850、1300、1310、1550nm	
	Uncertainty	±5% (-10dBm , 1310nm)	
	Resolution	Linear type : 0.1% , logarithm type : 0.01dB/0.001dB	
Light source (option)	Central wavelength	1310±20nm or 1550±20nm	

	Output power	$\geq -3\text{dBm}$
	Certainty	$\pm 0.02\text{dB}/5\text{min}$
Optical interface	FC/UPC	
Electrical interface	USB	
Power	Built-in lithium battery (3.7V , $\geq 1000\text{mAh}$); 3 AA dry batteries (1.5V); External AC/DC adapter ($220V_{AC}\pm 10\%$, 50~60Hz , output voltage 5V , output current $\geq 1\text{A}$)	
Power consumption	$\leq 0.5\text{W}$	
Dimensions	W×H×D=86mm×186mm×40mm	
Weight	$\leq 0.5\text{kg}$	
Environmental adaptability	Working temperature : $-10^{\circ}\text{C} \sim +55^{\circ}\text{C}$; storage temperature : $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$; relative humidity : 5% ~ 95%	

Ordering information

- Main equipment : 2498C Optical Power Meter
- Standard configuration :

No.	Name	Remarks
1	Power cord	Adapter for Micro-USB interface
2	Rechargeable battery	Lithium battery
3	User Manual	
4	Certificate	