

## Overview

**WY-2006B PON Optical Power Meter** is an upgraded version of WY-2006A PON power meter. It aims at the FTTx application and maintenance which not only can be used to test and estimate the PON signals at the same time, but also the normal power measurement and fault identification. It is a useful, essential and ideal tool for the construction and maintenance of the PON projects.

## Features

- I Providing simultaneous measurement at all three wavelengths  
(**1490nm, 1550nm&1310nm** )
- I Used in Burst mode measurement at **1310nm** wavelength
- I Large LCD screen with backlight function
- I 10 minutes Auto-off function
- I Six calibration wavelength available when tested as Normal OPM  
(**850,1300,1310,1490,1550&1625nm**)
- I Added **VFL** Function for quick and efficient fault identification
- I Data upload via USB cable
- I **1000** storage test records
- I **10** different threshold sets;
- I **3** Colors LED light **Green, Yellow or Red** represent **3** types of signal conditions **Pass, Warn or Fail**.
- I Added **User self-calibration** function in software which used to calibrate the PON module or set the threshold value.
- I Added **Factory Default** function in software which enable all the customers' setting back to the factory setting.



## Specification

### PON module:

<b>Model</b>	WY-2006B
<b>1310 upstream measurement</b>	
Pass Zone(nm)	1260~1360
Isolation@ 1490/1550(dB)	>40
Measurement Range(dBm)	-40~+10
<b>1490 downstream measurement</b>	
Pass Zone(nm)	1470~1505
Isolation @ 1550nm(dB)	>30
Isolation@ 1310nm(dB)	>40
Measurement Range(dBm)	-40~+12
<b>1550 downstream measurement</b>	
Pass Zone(nm)	1535~1570
Isolation at 1490nm(dB)	>40
Isolation at 1310nm(dB)	>40
Measurement Range(dBm)	-40~+25
<b>Measurement Accuracy</b>	
Connatural uncertainty(dB)	±0.5
Linearity(dB)	±0.1
Passing through insertion Loss(dB)	<1.5
<b>General Information</b>	
Detector Type	InGaAs
Optical Connector	Interchangeable FC/SC/ST
Fiber Type	9/125um
Display	LCD:128*64
Measurement Unit	dB/dBm/xW
Resolution (dB)	0.01
Operation Voltage(V)	DC 3.3~5.5
Power Supply	3 AA1.5V battery
Working Hours without backlight(hr)	90
Operation Temperature(°C)	-10~60
Storage temperature(°C)	-25~70
Weight(kg)	500g

**Normal Optical Power Meter Module:**

<b>Measurement Accuracy</b>	
Connatural uncertainty(dB)	±0.25
Linearity(dB)	±0.1
Measurement Range(dBm)	-70~+6 or -50~+26
<b>General Information</b>	
Measurement Unit	dB/dBm
Resolution (dB)	0.01
Calibration Wavelength(nm)	850,1300,1310,1490,1550,1625
Detector Type	InGaAs
Optical Connector	FC/SC/ST Interchangeable
Fiber Type	9/125um
Working Hours without backlight(hr)	100

**2.3 VFL Module:**

Output Power(mW)	1mw
Wavelength(nm)	650
Optical Connector	FC/2.5 universal connector
Working Hours without backlight(Hr)	50