

GW3203P PON Power Meter with OPM+VFL



INTRODUCTION

GW3203P PON Power Meter is specially designed for PON network construction and maintenance which can be connected between OLT and ONT. The voice, data, video signal (1310/1490/1550) online can be measured synchronously and optical power value (1310/1490/1550) can be displayed with this meter. It's a useful site test tool for the engineers of PON network and maintenance operators.

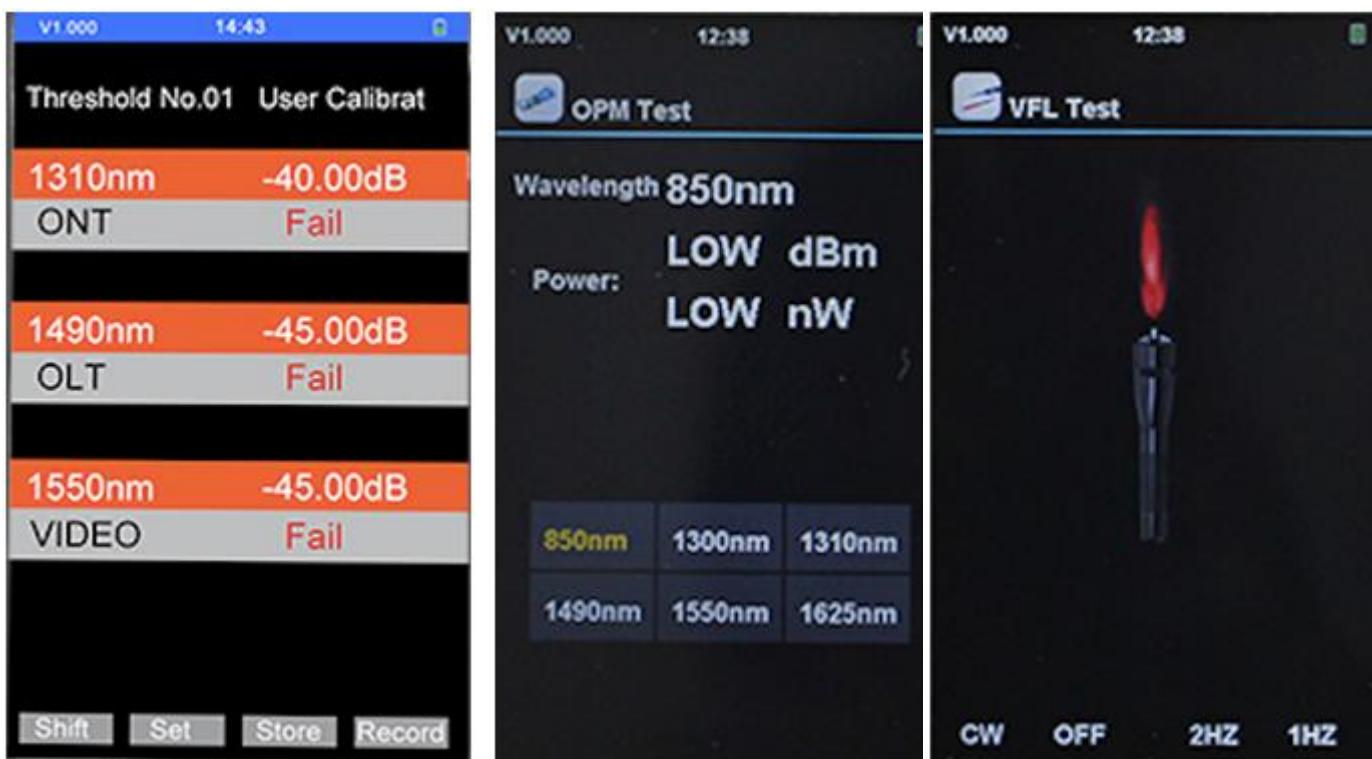
This PON Power Meter also integrates optional optical power meter and VFL functions.

MAIN FEATURES

- Handheld, easy to operate
- testing 3 wavelengths' power of PON system synchronously: 1310nm, 1490nm, 1550nm,
- testing the burst mode signal of 1310nm
- Optional optical power meter and VFL functions
- True color screen
- Friendly operation interface, human message management and operation function
- Supply 10 groups of threshold values for operator's choice, analyze and display pass and fail status
- Relative value choice and edit function
- saving 1000 records and upload the records through USB to management software
- Can set the threshold value, upload data, and calibrate wavelength through management software
- Auto shut off (according to set value)

- Auto backlight off (according to set value)
- 6600mAh Lithium battery
- Power saving design (low voltage self check and power off)
- Real-time clock display

TEST INTERFACE



PON POWER TEST	OPTICAL POWER TEST	VFL TEST
SPECIFICATIONS		
PON Power Meter		
Standard Wavelengths	1310 (Upstream)	1490 (Downstream)
Pass Zone (nm)	1260~1360	1470~1505
Range (dBm)	-50~+10	-50~+10
Isolation @1310nm (dB)		>40
Isolation @1490nm (dB)	>40	
Isolation @1550nm (dB)	>40	>40
Accuracy		
Uncertainty (dB)	±0.5	
Polarization Dependent Loss (dB)	<±0.25	
Linearity (dB)	±0.1	
Through Insertion Loss (dB)	<1.5	
Resolution (dB)	0.01	
Unit	dBm/xW	
Optical Power Meter (Optional)		
Calibrated Wavelength (nm)	850/1300/1310/1490/1550/1625	
Measurement Range (dBm)	-70~+10 or -50~+26	
Detector	InGaAs	
Accuracy	<±3% (-10dBm, 22°C)	
Resolution	Linearity: 0.1%; Non-linearity: 0.01dBm	
Connector	SC/FC/ST	

Visual Fault Locator (Optional)	
Output Power (mw)	10
Test Distance (km)	10
Wavelength (nm)	650 ± 20
Output Modes	Continuous (CW), 2Hz pulsed
General Specification	
LCD	480*800, True color touch screen
Battery	3.7V 6600mAH rechargeable Lithium battery
Working Temperature	-10~60°C
Storage Temperature	-25~70°C
Dimensions (mm)	185*80*50

ORDERING INFORMATION

Model	Function PON power meter	Function VFL (10mW)	Function OPM
GW3203P-P1	✓	✗	✗
GW3203P-PVO1	✓	✓	✓ (-50~+26dB) default
GW3203P-PVO2	✓	✓	✓ (-70~+10dB))

STANDARD PACKAGE



PON Power Meter



Carry Case



Battery charger



Charging Cable



CD (Management Software)



USB Cable



Factory Test Report