

***EQUIPOS DE FUSIÓN
Y MEDICIÓN***



BY FIBER SYSTEM

PRODUCT MANUAL

PON Optical Power Meter 3213 Series

PON OPTICAL POWER METER 3213 SERIES



Product Overview

3213 Series PON Optical Power Meter target at the FTTx application and maintenance. This power meter is able to simultaneously test and estimate the signals of the voice, data and video. It is an essential and ideal tool for the construction and maintenance of the PON projects.

Main Characteristics

- Offers up to 10 different threshold sets in total, Three status LEDs represent different optical signal conditions of Pass, Warn and Fail respectively.
- 10 minutes Auto-off function can be activated or deactivated
- Good key design, high sensitivity, greatly reducing the volume and weight of the tester.



- It can experiment at Voice, data and video signal synchronous measurement and display on BPON/EPON/GPON.
- Providing simultaneous measurement for all three wavelengths on the fiber (1490nm, 1550nm, 1310nm).
- Used in Burst mode measurement of 1310nm upstream.
- Use the software connect with PC, setting the threshold, data transfer, and calibration the wavelength.
- Optional Chinese/English display.



- USB communication port enables data transfer to a PC. 1000 measurement items can be saved in 3213 PON power meter or computer for data review.
- With optical power meter modular, include 850, 1300, 1310, 1490, 1550, 1625 sixs (3213AP, 3213 without 850nm wavelength) ; With visual fault locator modular (3213 and 3213AV)
- Optical power meter and VFL with one port. (only 3213A)
- Different models corresponding to different function, according to own use to choose.



Technical Specifications

PON module:	3213	3213A	3213AV	3213AP
1310 upstream measurement				
Pass Zone(nm)	1260nm~1360nm			
Measurement Range(dBm)	-40dBm~+10dBm			
Output power(max)	15dBm			
Isolation@1490/1550(dB)	>40dB			
Burst mode measurement error	<±0.5dB			
1490 downstream measurement				
Pass Zone(nm)	1470nm~1505nm			
Measurement Range(dBm)	-40dBm~+10dBm			
Output power(max)	15dBm			
Isolation@1310/1550(dB)	>40dB			
1550 downstream measurement				
Pass Zone(nm)	1535nm~1570nm			
Measurement Range(dBm)	-40dBm~+10dBm			
Output power(max)	25dBm			
Isolation@ (1310/1490nm)	>40dB			
Measurement Accuracy				
Connatural uncertainty(dB)	±0.5dB			
Linearity(dB)	±0.1dB			
Passing through insertion Loss(dB)	<1.5dB			
General Information				
Detector Type	InGaAs			
Optical Connector	FC/SC/ST Interchangeable/2.5 universal adapter			
Fiber Type	SM 9/125um			
Measurement Unit	dB/dBm/xW			
Resolution (dB)	0.01dB			
Operation Voltage(V)	DC 3.3V~5.5V			
Power Supply	3pc1.5V battery			
Continuously Operation time (h)	PON: 90h	PON: 90h OPM: 100h VFL: 50h	PON: 90h VFL: 50h	PON: 90h OPM: 100h
Operation Temperature(°C)	-10°C~60°C			
Storage temperature(°C)	-25°C~70°C			
Weight(kg)	423g	425g	424g	424g

Normal Optical Power Meter Module

3213 Without OPM Module

Normal Optical Power Meter	3213 ^②	3213A	3213AP
Measurement Accuracy			
Measurement uncertainty(dB)	None	±0.5dB	
Linearity(dB)		±0.1dB	
Measurement Range(dBm)		-70dBm ~ +6dBm	
General Information			
Measurement Unit	None	dB/dBm	
Resolution (dB)		0.01dB	
Calibration Wavelength(nm)		1310/ 1490/1550/1625	1310/ 1490/1550/1625
Detector Type		InGaAs	
Optical Connector		FC/SC/ST Interchangeable/2.5 universal adapter	

3213 Without VFL Module

VFL	3213	3213A	3213AV
Output power	None	>0.5mW	
Wavelength		650nm	
Optical Connector		FC/SC/ST Interchangeable/2.5 universal adapter	
Fiber Type		SM/MM	

Packaging & Delivery

Packaging Details: 3213 tester, User Manual, USB, Soft CD, 1.5VAA Battery (3pcs.)



Packing case



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