

PON Optical Power Meter — 3213 series

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.

Features:

- (1) It can experiment at Voice, data and video signal synchronous measurement and display on BPON/EPON/GPON.
- (2) Providing simultaneous measurement for all three wavelength fiber (**1490nm, 1550nm, 1310nm**).
- (3) Used in Burst mode measurement of 1310nm upstream.
- (4) Use the software connect with PC, setting the threshold, data transfer and calibration the wavelength.
- (5) USB communication port enables data transfer to a PC. 1000 measurement item can be saved in 3213 PON power meter or computer for data review.
- (6) With optical power meter module, include 850、1300、1310、1490、1550、1625 (3213AP, 3213A without 850nm wavelength); With visual fault locator module (3213 and 3213AV).
- (7) Optical power meter and VFL with one port (**only 3213A**).
- (8) Optional Chinese/English display.
- (9) Offers up to 10 different threshold sets in total, Three status LEDs represent different optical signal conditions of **Pass, Warn and Fail** respectively.
- (10) 10 minutes Auto-off function can be activated or deactivated.
- (11) Good key design, high sensitivity, greatly reducing the volume and weight of the tester.
- (12) Different models corresponding to different function, according to own use to choose.



PON module	3213	3213A	3213AV	3213AP
1310 upstream measurement				
Pass Zone(nm)	1260nm~1360nm			
MeasurementRange(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			
MeasurementRange(dBm)	-40dBm~+10dBm			
Output power(max)	15dBm			
Isolation@1310/1550(dB)	>40dB			
1550 downstream measurement				
Pass Zone(nm)	1535nm~1570nm			
MeasurementRange(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	3213A	3213AP	
Measurement Accuracy				
Connatural 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)		1300/1310/ 1490/1550/1625	850/1300/1310/ 1490/1550/1625	
Detector Type		InGaAs		
Optical Connector		FC/SC/ST Interchangeable/2.5 universal adapter		

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