

PON OPTICAL POWER METER



FEATURES

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 connects with PC, setting the threshold, data transfer, and calibration the wavelength.

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, 1625sixs (3213AP, 3213A without 850nm wavelength), With visual fault locator modular (3213and3213AV) Optical power meter and VFL with one port. (only 3213A) Optional Chinese/English display.

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. Different models corresponding to different function, according to own use to choose.

SPECIFICATIONS

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

PON MODULE	3213	3213A	3213AV	3213AP
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

Normal Optical Power Meter	3213^②	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	

②: 3213 do not have the OPM module

VFL MODULE

VFL	3213^③	3213A	3213AV
Output power	None	>0.5mW	
Wavelength		650nm	
Optical Connector		FC/SC/ST Interchangeable/2.5universal adapter	
Fiber Type		SM/MM	

③: 3213 without VFL module

ORDER INFORMATION

P/N	Description
CMP-2005	PON Optical Power Meter