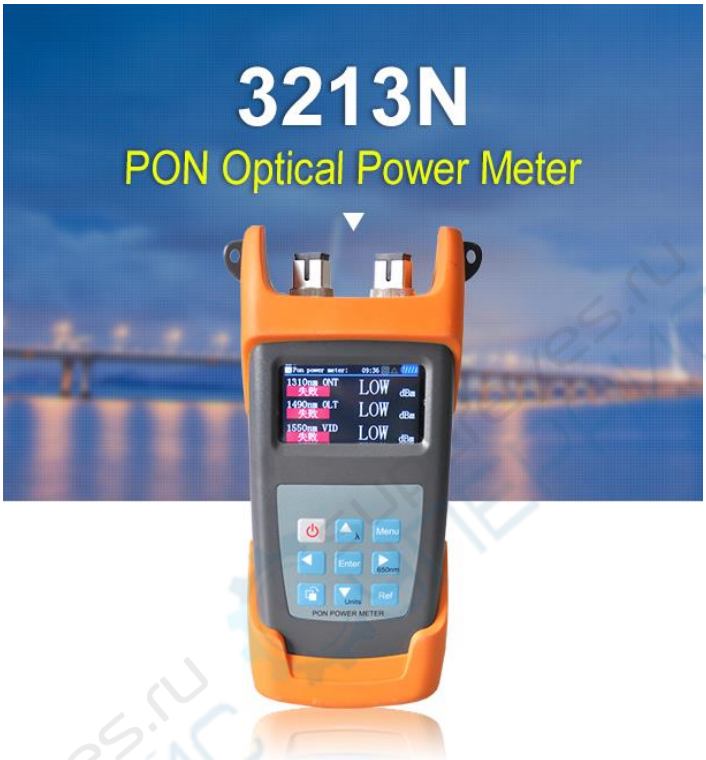
3213N PON Optical Power Meter is designed base on 3213 PON power meter. This power meter is able to simultaneously test and estimate the signals of the voice, data and video. It is an essential and ideal tool for the construction and maintenance of the PON projects.



Features:

* 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.
* USB communication port enables data transfer to a PC.1000measurement items can be saved in 3213N PON power meter or computer for data review.
* Optical power meter and VFL with one port.（only 3213NA）
* 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:	3213N	3213NA	3213NAV	3213NAP
1310 upstream measurement				
Pass Zone(nm)	1260nm～1360nm			
Measurement Range(dBm)	-35dBm～+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～+12dBm			
Output power(max)	15dBm			
Isolation@1310/1550(dB)	>40dB			
1550 downstream measurement				
Pass Zone(nm)	1540nm～1560nm			
Measurement Range(dBm)	-40dBm～+25dBm			
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(℃)	-10℃～60℃			
Storage temperature(℃)	-25℃～70℃			
Weight(kg)	650g	650g	650g	650g

Note: The operation time of the battery are all for the instrument that do not turn on back light, if the back light turn on the operation time will be shorted.

Normal Optical Power Meter Module：

Normal Optical Power Meter	**3213N②**	**3213NA**	**3213NAP**
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)		1310/ 1490/1550/1625	1310/ 1490/1550/1625
Detector Type		InGaAs	
Optical Connector		FC/SC/ST Interchangeable/2.5 universal adapter	

②：3213N do not have the OPM module

VFL Module：

VFL	**3213N③**	**3213NA**	**3213NAV**
Output power	None	>0.5mW	
Wavelength		650nm	
Optical Connector		FC/SC/ST Interchangeable/2.5 universal adapter	
Fiber Type		SM/MM	

③：**3213N without VFL module.**

Standard Packages:

Model	**3213N Series PON Optical Power Meter**	
Items	Title	Quantity
1	3213 tester	1unit
2	User Manual	1pc
3	USB	1pc
4	Soft CD	1pc
5	1.5VAA Battery	3pc