

Overviews

HD4108PN 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.



Feature

- It can experiment at Voice, data and video signal synchronous measurement 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. 1000 measurement items can be

Specification

Item	Specification			
	HD4108PN	HD4108PNV	HD4108PNO	HD4108PNVO
1310 upstream measurement				
Pass Zone (nm)	1260~1360nm			
Measurement Range (dBm)	-35dBm~+10dBm			
Output power (max)	>40dB			
Isolation@1490/1550(dB)	± 0.15 dB			
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)	1535nm~1570nm			
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				
Continuously Operation time (h)	PON: 90h	PON: 90h VFL: 50h	PON: 90h OPM: 100h	PON: 90h VFL: 50h OPM: 100h
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			
Operation Temperature(°C)	-10°C~60°C			
Storage temperature(°C)	-25°C~70°C			

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 (OPM)Optical Power Meter Module :

OPM	HD4108PN	HD4108PNV	3213PNO	3213PNVO
Measurement Accuracy				
Connatural uncertainty	None		±0.5dB	
Linearity			±0.1dB	
Measurement Range			-70dBm~+6dBm	
General Information				
Measurement Unit	None		dB/dBm	
Resolution			0.01dB	
Calibration Wavelength			1310/ 1490/1550/1625	1310/ 1490/1550/1625
Detector Type			InGaAs	
Optical Connector			FC/SC/ST Interchangeable/2.5 universal adapter	

HD4108PN Series

Fiber Optic Power Meter



DATASHEET/JAN 2018

Test Equipment

VFL Module :

VFL	HD4108PN	HD4108PNO	HD4108PNV	HD4108PNVO
Measurement Accuracy				
Output Power	None			>0.5mW
Wavelength				650nm
Optical Connector				FC/SC/ST interchangeable /2.5 universal adapter
Fiber Type				SM/MM

Order Information

Product	Item	Description
Optical Power Meter	HD4108PN	PON Optical Power Meter , N type , OPM/VFL Optional



We produce a wide selection of network equipment under HONDAO brand . Gather thousands of products ,which are supplier to customs of different filed and different requirement . QC team test all goods before shipment . We screen the Chinese supplier in a search of the most efficient product solutions available to satisfy your individual needs.