

CARY-P100 PON Power Meter

(1310 nm upstream ; 1490/1550 nm downstream)

Technical Specifications Ver 1.00
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(310 upstream measurement ; 1490/1550 downstream)

The CARY-P100 PON Optical Power Meter was design for the FTTx application and maintenance which not only can be used to test and estimate the PON signals at the same time, but also the normal power measurement and fault identification. It is a useful, essential and ideal tool for the construction and maintenance of the PON projects.. Long life battery power provides more than 8 hours outdoor test capability.

Features:

- Providing simultaneous measurement at three wavelengths (1490nm, 1550nm&1310nm);
- Burst mode measurement at 1310nm wavelength;
- Large LCD screen with backlight function; 10 minutes Auto-off function;
- VFL Function for quick and efficient fault identification;
- Data upload via USB cable; 1000 storage test records;
- User self-calibration function in software which used to calibrate the PON module or set the threshold value.

Applications:

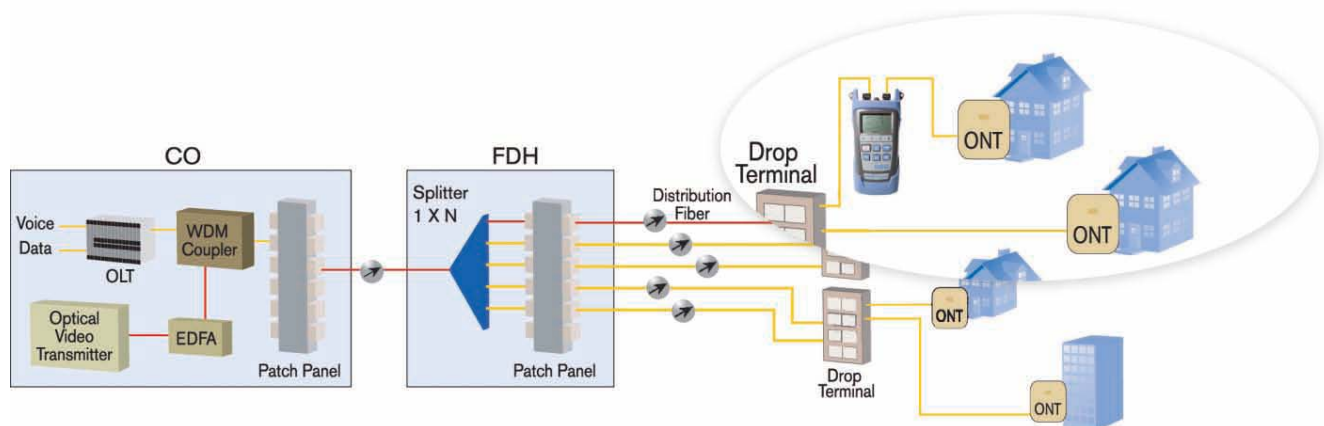
- BPON, EPON and GPON configurations;
- Service activation and troubleshooting;
- Date storage and repoting capabilities;
- Concurrent measurement of all PON signals, anywhere on the network

Specifications

The CARY-P100 PON power meter specification:

Model No.	CARY-P100		
Measurement wavelength	1310 nm upstream	1490 nm downstream	1550 nm downstream
Pass Zone (nm)	1260~1360	1470~1505	1535~1570
Measurement Range (dBm)	-40~+10	-40~+10	-40~+20
Isolation at 1310nm (dB)	-	>40	>40
Isolation at 1490nm (dB)	>40	-	>30
Isolation at 1550nm (dB)	>40	>40	-
Accuracy			
Abosolute Accuracy (dB)	± 0.5		
Relative Accuracy (dB)	$< \pm 0.25$		
Linearity (dB)	± 0.1		
Insertion Loss(dB)	< 1.5		
PON Power Meter Other Function			
Display	128*64		
Power Unit	dB/dBm/ mW		
Resolution (dB)	0.01		
Power Supply	Li battery (9V)		
Fiber Type	SM		
Measurement Range(dBm)	-10~60 ⁰ C		
Store Range(dBm)	-25~70 ⁰ C		
Dimension	210 x 115 x 55		

Application Configuration:



CA OPTRONICS GROUP's Test and Measurement Support, Services and Assistance

CA OPTRONICS GROUP provides high performance, high value, low cost, affordable test and measurement instruments solution for our customers. Our extensive support sources can help you choose right UC INSTRUMENTS' products for your application and apply them successfully. Every instruments and system we sell a global warranty. All of our instruments with at least 18 months factory warranty.

Our Promise

All of CA OPTRONICS GROUP's test and measurement instruments and system will met its advertised performance and functionality. When you select CA OPTRONICS GROUP's products, we can verify if it is work properly, help with products operation, and provides the basic measurement assistance for the use of special capabilities.

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