

# PPM-30 PON Power Meter



- ◆ Specially designed for FTTx/PON (B/E/G) applications
- ◆ Easy operation: Connect fiber and get results
- ◆ Simultaneous Triple-play PON signals measurement: 1310/1490/1550nm (Voice/Data/Video)
- ◆ Pass-through test: Applicable anywhere on PON
- ◆ Burst mode 1310nm upstream signal detection
- ◆ User-defined thresholds
- ◆ Pass/Warning/Fail assessment
- ◆ Optional Visible Fault Locator for macro bend detection and fiber identification
- ◆ Optional SM/MM Power Meter and Stabilized Laser Source

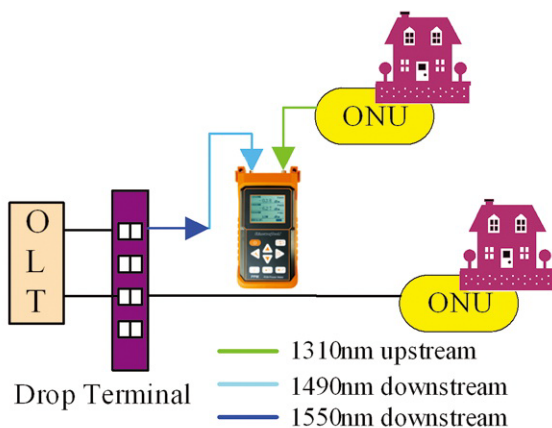


PPM-20 PON Power Meter can perform in-service testing of all PON signals (1310/1490/1550nm) on any spot of the network featuring pass-through design, burst mode and Pass/Warning/Fail assessment function, which can greatly help you evaluate PON signals transmission quality.

## Pass-through Simultaneous Measurement & Display of All PON Signals

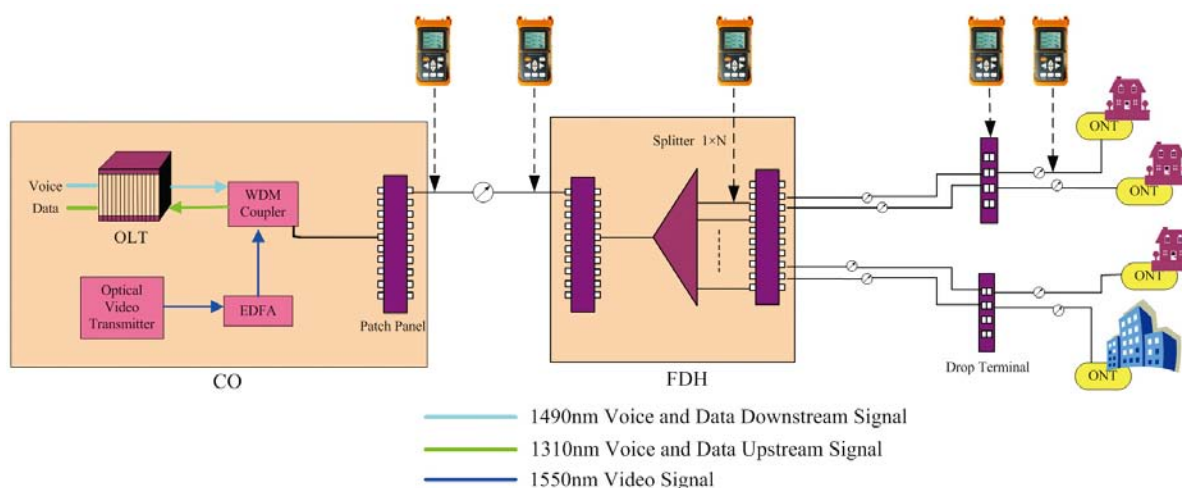
PPM-30 works as a pass-through device, which can be connected anywhere between OLT and ONU. A small percentage of optical signals are extracted for use by PPM-30 detectors. This approach enables all wavelengths to be used simultaneously and introduces no interruption to network services.

- Pass-through connection and simultaneous measurement of all PON signals
- Filtered detectors for individual signal measurement at each wavelength
- Upstream signal burst mode detection at 1310nm



1310nm	PASS
-3.15	dBm
1490nm	WRNG
-20.76	dBm
1550nm	PASS
-3.29	dBm
00fddd1	

## Flexible Measurement on PON



### User-defined Threshold Sets

PPM-30 enables threshold setting—each set consists of three wavelengths (1310, 1490 and 1550nm) with their own Pass, Warning and Fail thresholds. These values can be configured for easy assessment of fibers, components and test points on network.

## Specifications

Model	PPM-30		
Calibrated Wavelength	1310nm	1490nm	1550nm
Measurement Range (dBm)	-40 ~ +10 <sup>(1)</sup>	-40 ~ +12	-40 ~ +20
Spectral Passband (nm)	1310±20	1490±10	1550±10
Power Uncertainty (dB)	≤ 0.5		
Accuracy (dB)	0.01		
Insertion Loss (dB)	≤ 1.5		
<b>Visible Fault Locator (Optional)</b>			
Output Power (dBm)	≥ -3		
Max Measurement Range	5 Km		
<b>Optical Power Meter (Optional)</b>			
Calibrated Wavelength (nm)	850,1300,1310,1490,1550,1625		
Power Range (dBm) <sup>(2)</sup>	-70 ~ +10		
Detector Type	InGaAs		
Accuracy	± 5% ± 0.01nW(±0.5dB@850nm)		
MOD Identification	270, 1K, 2K Hz		
<b>Stabilized Laser Source (Optional)</b>			
Wavelength (±20nm)	1310, 1490, 1550nm		
Output Mode	CW, 270Hz, 1KHz, 2KHz		
Spectrum Width (nm)	≤5		
Output Power (dBm)	≥ -7		

Output Power Display	Yes
<b>General Specifications</b>	
Backlight Display	Yes
Connector	FC/PC (Interchangeable SC, ST)
Data Storage	>2000 records
Data Interface	USB
Power Supply	NiMH Battery / AC Adapter
Battery Life	≥35 hours
Operating Temperature	-10°C to 50°C
Storage Temperature	-25°C to 70°C
Relative Humidity	0 to 95% (non-condensing)
Weight	750g (1.6 lbs)
Dimensions (HxWxT)	196x100x44mm (7.7x3.9x1.7 inch)

**Note:** (1) Burst mode measurement range at 1310 nm: -30 ~ +10dBm  
(2) The lower limit of measurement range at 850nm is -60 dBm

\* Specifications subject to change without notice

### Ordering Information

Standard package includes:

Instrument, NiMH battery, Rubber boot, Data transfer cable (USB), PPM Manager Software CD, AC adapter, Toolkit for soft bag, Warranty card, CE certificate, Certificate of calibration, User manual.

## PPM-30XX

**V:** Visible Fault Locator  
**P:** Optical Power Meter  
**L:** Stabilized Laser Source

### Models

PPM-30  
PPM-30V  
PPM-30P  
PPM-30S  
PPM-30VP  
PPM-30PS  
PPM-30VS

### Shineway Technologies (China), Inc.

**Add:** Floor 5, Office Building, No.14 Huayuan North Rd, Haidian District  
Beijing 100191, China

**Tel:** +86-10-51551122

**Fax:** +86-10-62386994

**Email:** support@shinewaytech.com

**Web:** www.shinewaytech.com