

# PON Optical Power Meter OPM-PON-UP80

## INTRODUCTION

Highly versatile handheld power meter that enables quick and accurate, on-site testing of all PON signals, anywhere on the network.

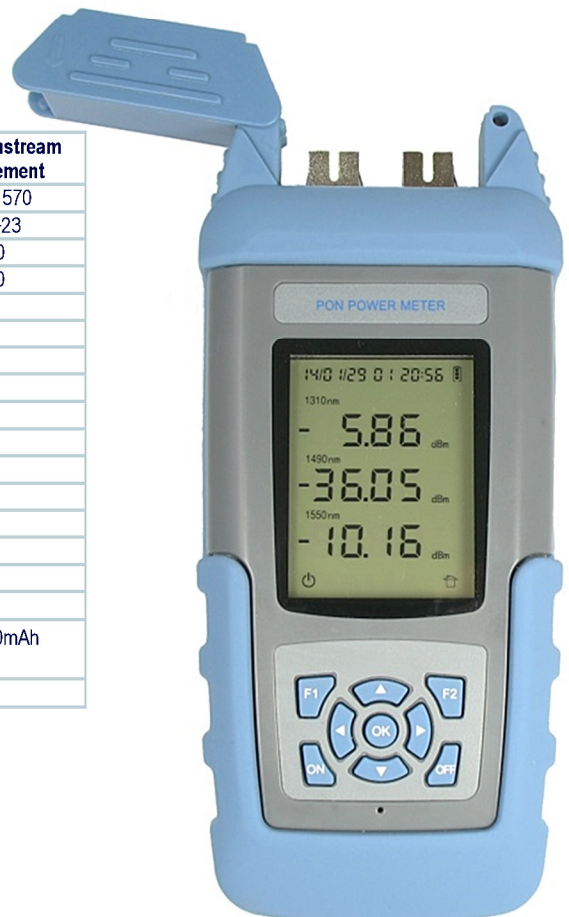
The OPM-PON-UP80 acts as a pass-through device, allowing the concurrent measurement and simultaneous display of all PON signals - voice, data and video (1310/1490/1550nm). Features a large, readable in bright sunlight, 2.7" LCD display for easy Pass / Warning / Fail icon identification for each wavelength with user-adjustable threshold levels grouped in 3 sets.

Measurement results can be saved in the device (99 records, date&time stamped) and then downloaded to PC via USB cable.

As a versatile tool, this power meter shows absolute power reading for 1310/1490/1550nm wavelengths for non-PON applications.

## FEATURES

- Provides simultaneous measurement at three wavelengths (1310nm, 1490nm, 1550nm),
- Large 2.7" LCD display with backlight function,
- Three calibrated wavelengths available when used as regular optical power meter (1310, 1490, 1550nm),
- 10 minutes Auto-off function,
- Data upload via USB cable,
- 99 storage test records,
- On-display icons (√, !, ×) represent 3 types of signal conditions: Pass, Warn or Fail with user-adjustable threshold levels.



## SPECIFICATIONS

	1310 upstream measurement	1490 downstream measurement	1550 downstream measurement
Passband [nm]	1260~1360	1470~1505	1535~1570
Measurement range [dBm]	-40~+10	-40~+10	-40~+23
Isolation 1310nm [dB]	-	>40	>40
Isolation 1490nm [dB]	>40	-	>30
Isolation 1550nm [dB]	>40	>40	-
<b>Measurement Accuracy</b>			
Total uncertainty [dB]		+0.5	
PDL [dB]		<+0.25	
Linearity [dB]		+0.1	
Pass Through Insertion Loss [dB]		~1.5	
<b>Overall specification</b>			
Optical connectors		Fixed SC/APC	
Measurement Unit		dB/ dBm/ xW	
Resolution [dB]		0.01	
Operating temp. [°C]		-10~60°C	
Storage temp. [°C]		-25~70°C	
Power	version B: build-in rechargeable Lithium batt. 7.4V - 1000mAh version A: 4x AA batteries		
Dimensions [mm]	200x90x43		

## ORDERING INFORMATION

OPM-PON-UP80 set includes:

- PON optical power meter with SC/APC type adaptors
- User Guide
- Carry pouch + strap
- AC power adaptor (for B version)
- Calibration certificate

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