

PON Optical Power Meter OPM-PON-UP10

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-UP10 acts as a pass-through device, allowing the concurrent measurement and simultaneous display of all PON signals - voice, data and video (1310/1490/1550nm). Can be used as regular optical power meter with 6 calibrated wavelengths. Features a 2.4" TFT LCD display and 3 LEDs for easy Pass / Warning / Fail identification for each wavelength with user-adjustable threshold levels grouped in 10 sets. Measurement results can be saved in the device (1000 records, date&time stamped) or be uploaded to PC via USB cable.

FEATURES

- ✦ Provides simultaneous measurement at three wavelengths (1310nm, 1490nm, 1550nm),
- ✦ Large 2.4" TFT LCD display with backlight function,
- ✦ Six calibrated wavelengths available when used as regular optical power meter (850,1300,1310,1490,1550&1625nm),
- ✦ 10, 30 or 60 minutes Auto-off function,
- ✦ Data upload via USB cable,
- ✦ 1000 storage test records,
- ✦ Tri-color LEDs: Green, Yellow or Red 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~+20
Isolation 1310nm [dB]	-	>40	>40
Isolation 1490nm [dB]	>40	-	>30
Isolation 1550nm [dB]	>40	>40	-
Measurement Accuracy			
Total uncertainty [dB]		+0.5	
PDL [dB]		<=0.25	
Linearity [dB]		+0.1	
Pass through Insertion Loss [dB]		<1.5	
Regular Optical Power Meter Mode			
Measurement Unit		dB/ dBm/ xW	
Resolution [dB]		0.01	
Operating temp. [°C]		-10~60°C	
Storage temp. [°C]		-25~70°C	
Dimensions [mm]		190 x 100 x 48	

ORDERING INFORMATION

OPM-PON-UP10 set includes:

- ✦ PON optical power meter
- ✦ User Guide
- ✦ Carry pouch + strap
- ✦ AC power adaptor
- ✦ Interface adaptors cleaning sticks



Authorized Channel Partner