



## PON Optical Power Meter

SP-PPM70B



Shenzhen SPEEDWOLF Technology Co., Ltd.

2013. 02 (Version 2)

## Overview

SP-PPM70B PON Power Meter (pon test instrument) is specially designed for PON network construction and maintenance which can be connected between OLT and ONT. The voice, data, video signal (1310/1490/1550) online can be measured synchronously and optical power value (1310/1490/1550) can be displayed with this meter. It's a useful site test tool for the engineers of PON network and maintenance operators.

## Product Features

- Handheld, easy to operate
- Can test 3 wavelengths' power of PON system synchronously: 1310nm, 1490nm, 1550nm.
- Can test the burst mode signal of 1310nm
- True color screen
- Friendly operation interface, human message management and operation function
- Supply 10 groups of threshold values for operator's choice, analyze and display pass and fail status
- Relative value choice and edit function
- Can save 1000 records and upload the records through USB to management software
- Can set the threshold value, upload data, and calibrate wavelength through management software
- Auto shut off (according to set value)
- Auto backlight off(according to set value)
- 6600mAh Lithium battery
- Power saving design (Low voltage self check and power off)
- Real-time clock display

## APPLICATIONS

- Maintenance in Telecom
- Maintenance CATV
- Fiber Optic Lab Testing
- Other Fiber Optic Measurements

**Technical Parameters**

PON Optical Power Meter: SP-PPM70B			
Standard wavelengths	1310 (upstream)	1490 (downstream)	1550 (downstream)
Pass zone(nm)	1260~1360	1470~1505	1535~1570
Range(dBm)	-50~+10	-50~+10	-40~+20
Isolation @1310nm(dB)		>40	>40
Isolation @1490nm(dB)	>40		>40
Isolation @1550nm(dB)	>40	>40	
Accuracy Uncertainty(dB)	±0.5		
Polarization Dependent Loss (dB)	<±0.25		
Linearity(dB)	±0.1		
Through Insertion Loss(dB)	<1.5		
Resolution	0.01dB		
Unit	dBm/xW		
LCD	480*800, True color touch screen		
Battery	3.7V 6600mAH rechargeable Lithium battery		
Working temperature	-10~60° C		
Storage Temperature	-25~70° C		
Dimensions(mm)	185*80*50		
Weight(g)	about 370g		

**Order Information**

Model	Kit Include
SP-PPM70B	<ul style="list-style-type: none"> <li>➤ PON Optical Power Meter</li> <li>➤ Carry Case</li> <li>➤ Battery Charger</li> <li>➤ Charging Cable</li> <li>➤ CD(Management software)</li> <li>➤ USB Cable</li> <li>➤ Factory Test Report</li> </ul>



PON Power Meter



Carry Case



Battery charger



Charging Cable



CD (Mangement Software)



USB Cable



Factory Test Report

**Important Notice**

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by SPEEDWOLF before they become applicable to any particular order or contract. In accordance with the SPEEDWOLF policy of continuous improvement specifications may change without notice.

The publication of information in this data sheet does not imply freedom from patent or other protective rights of SPEEDWOLF or others. Further details are available from any SPEEDWOLF sales representative.

**Contact SPEEDWOLF****Shenzhen SPEEDWOLF Technology Co., Ltd**

Address:A-14,Haide Building, Nanxin Road Nanshan District Shenzhen,China .

Tel: +86-755-26400198 +86-755-26400288 Fax: +86-755-26411001

Whatsapp:+086-18923447735 skype:speedwolf\_8

Email: speedwolf@speedwolf.net,

Web: www.speedwolf.net