

## HYTT-RY-PON-P100 PON Optical Power Meter



### Overview

HYTT-RY-PON-P100 PON Optical Power Meter is an upgraded version of HYTT-RY-PON-P3201 PON power meter. It aims at 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.

### Features:

- . Providing simultaneous measurement at all three wavelengths (1490nm, 1550nm & 1310nm).
- . Burst mode measurement at 1310nm wavelength.
- . Large LCD screen with backlight function
- . 10 minutes Auto-off function
- . Six calibration wavelength available when tested as Normal OPM (850,1300,1310,1490,1550&1625nm)
- . 10 different threshold sets;
- . 3 Colors LED light Green, Yellow or Red represent 3 types of signal conditions Pass, Warn or Fail.
- . Added User self-calibration function in software which used to calibrate the PON module or set the threshold value.
- . Added Factory Default function in software which enable all the customers setting back to the factory setting

Model NO	HYTT-RY-PON-P100		
Measurement wavelength	1310 upstream measurement	1490 downstream measurement	1550 downstream measurement
Pass Zone(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			
Connatural uncertainty(dB)	±0.5		
Connatural uncertainty(dB)	<±0.25		
Linearity(dB)	±0.1		
Passing through insertion Loss(dB)	<1.5		
Normal Optical Power Meter Module			
Display	128*64		
Measurement Unit	dB/dBm/ xW		
Resolution (dB)	0.01		
Power Supply	Li battery (9V)		
Fiber Type	SM		
Measurement Range(dBm)	-10~60°C		
Store Range(dBm)	-25~70°C		
Size (mm)	210 x 115 x 55		



HYTT-RY-PON-P100 PON Optical Power Meter - Datasheet