

PON Power Meter

1. Description

This **PON Power Meter** target at the FTTx application and maintenance. This PON power meter is able to simultaneously test and estimate the signals of the voice, data and video. It is an essential and ideal tool for the construction and maintenance of the xPON projects.

2. Features

- Providing simultaneous measurement at EPON/GPON/GEPON for all three wavelengths on the fiber (1490nm, 1550nm,1310nm)
- Used in Burst mode measurement of **1310nm upstream**
- Convenience for threshold setting, which can set the threshold on the tester
- USB communication port enables data transfer to a PC
- Offers up to **10** different threshold sets in total
- **User self-calibration** can be retrieved in computer through the software.
- 10 minutes Auto-off function can be activated or deactivated with keypad operation.



3. Specification

| Model | PON Power Meter | | |
|------------------------------------|-----------------------|-----------|-----------|
| | 1310nm | 1490nm | 1550nm |
| Pass Zone(nm) | 1260~1360 | 1470~1505 | 1535~1570 |
| Isolation (dB) | >40@1490 | >30@1310 | >40@1310 |
| Isolation(dB) | >40@1550 | >40@1559 | >40@1490 |
| Measurement Range(dBm) | -40~+10 | -40~+10 | -40~+20 |
| Connatural uncertainty(dB) | ±0.5 | | |
| Linearity(dB) | ±0.1 | | |
| Passing through insertion Loss(dB) | <1.5 | | |
| Detector Type | InGaAs | | |
| Optical Connector | FC/SC Interchangeable | | |
| Fiber Type | 9/125um | | |
| Display | LCD:128*64 | | |
| Measurement Unit | dB/dBm/xW | | |
| Resolution (dB) | 0.01 | | |
| Power Supply | 3 AA1.5V battery | | |
| Operation Temperature(°C) | -10~60 | | |
| Storage temperature(°C) | -25~70 | | |
| Dimension(mm) | 200 X90 X50 | | |
| Weight(g) | 285 | | |

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