

LIT-100 10G PON Power Meter



- ◆ Specially designed for FTTx/PON(B/E/G/10G) applications
- ◆ Easy operation: Connect fiber and get results
- ◆ Simultaneous Triple-play PON signals measurement: 1270/1310/1490/1550 /1577nm (Voice/Data/Video)
- ◆ Pass-through test: Applicable anywhere on PON
- ◆ Burst mode 1270nm/1310nm upstream signal detection
- ◆ User-defined thresholds
- ◆ Pass/Warning/Fail assessment indication
- ◆ Cable/Fiber ID editing
- ◆ CSV file format
- ◆ Color TFT, visible outdoors



LIT-100 10G PON Power Meter can perform in-service testing of all PON signals (1270/1310/1490/1550/1577nm) on any spot of the network featuring pass-through design, burst mode and Pass/Fail assessment indication function, which can greatly help the technician qualify, activate and troubleshoot B-PON, E-PON, G-PON and next-generation, high-speed 10G PONs such as XG-PON and 10G-EPON networks.

Pass-through Simultaneous Measurement & Display of All PON Signals

LIT-100 works as a pass-through device, which can be connected anywhere between OLT and ONU. A small percentage of optical signals are extracted for use by LIT-100 detectors. This approach enables all wavelengths to be used simultaneously and introduces no interruption to network services.

- Pass-through connection and simultaneous measurement of all PON signals
- Filtered detectors for individual signal measurement at each wavelength
- Upstream signal burst mode detection at 1270nm and 1310nm

User-defined Threshold Sets

LIT-100 enables threshold setting - each set consists of 5 wavelengths (1270nm, 1310nm, 1490nm, 1550nm and 1577nm) with their own Pass/Fail thresholds. These values can be configured for easy assessment of fibers, components and test points on network

Specifications

Model	LIT-100				
10G PON Power Meter					
Calibrated Wavelength (nm)	1270	1310	1490	1550	1577
Measurement Range(dBm)	-40 ~ +10 ⁽¹⁾	-40 ~ +10 ⁽¹⁾	-40 ~ +12	-40 ~ +25	-40 ~ +25
Spectral Passband (nm)	1260 ~ 1280	1300 ~ 1320	1475 ~ 1505	1540 ~ 1560	1567 ~ 1587
Power Uncertainty (dB)	≤ 0.5				
Display Resolution(dB)	0.01				
Insertion Loss(dB)	≤ 1.5				
Data Storage	>2000 records				
Number of Optical Interface	2 (OLT, ONU)				
Optical Connector	FC/UPC (Interchangeable SC/ST/LC, UPC or APC end face)				
Visual Fault Locator					
Output Power	≥ -3dBm				
Detecting Range	5Km				
Optical Connector	Universal 2.5mm				
General Specification					
LCD Display	5-inch TFT LCD(800*480 pixels)				
Data Interface	Micro USB				
Battery Type	Rechargeable Lithium Battery(7.4V, 5200mAh)				
Battery Life	≥6 hours				
Power Supply	AC/DC Adaptor, Input 100 ~ 240VAC, 50~60Hz Output 13.8V, 1.2A				
Operating Temperature	-10°C ~ 50°C				
Storage Temperature	-20°C ~70°C				
Relative Humidity	0 ~ 95% (Non-Condensing)				
Size	190(H)*130(W)*65(D)mm				
Weight	800g				

* Specifications subject to change without notice

Note: (1) Burst mode measurement range at 1270nm/1310nm: -30 ~ + 10dBm.