

EP310 Series PON Power Meter

Key Benefits

- Simultaneously verifies the power levels of all PON wavelengths (1310 nm, 1490nm, and 1550nm)
- Pass/fail analysis helps user quickly interpret results and ensures consistent PON turn-up
- Green light/red light LED helps user easily identify pass/fail results
- Rugged unit is water- and shock-resistant

The EP310 is a passive optical network (PON) power meter that enables users to quickly validate PON network installations. It measures 3 EPON wavelengths (1310/1490/1550 nm) at once, with user-defined limits and USB data transfer to simplify interpretation.

Advanced model EP90 also includes a Visual Fault Locator (VFL) to detect faults, bends, and splices in fiber.



Specifications

Optical Parameters						
Wavelength	1310nm		1490nm		1550nm	
Measurement range	CW	-45 ~ +10dBm	-45 ~ +12dBm		-40 ~ +25dBm	
	BW	-30 ~ +8dBm				
Wave isolation	1490nm	>50dB	1310nm	>40dB	1310nm	>40dB
	1550nm	>50dB	1550nm	>40dB	1490nm	>40dB
Spectral passband	1260 ~ 1360nm		1480 ~ 1500nm		1540 ~ 1560nm	
Passthrough insertion loss	< 1.5dB					
ORL	-55dB (APC connector)					
Fiber type	Single-mode fiber, 9/125 μm					
Connector type	FC / SC / ST-UPC (default), APC (optional)					
General						
Power uncertainty	< 0.5dB					
Unit conversion	dBm; dB; mW; μW; nW					
Resolution	0.1 dBm					
Battery	2x AA batteries					
Adapter	AC 100~240V ± 10% output / DC 5V					
Limit function	12 programmable limit profiles with Toolbox software					
Data storage	Up to 1,800 measurements; save & transfer data with USB port					
Operating temperature	-10 ~ +60°C					
Storage temperature	-20 ~ +70°C					
Dimensions	7.3" x 3.3" x 1.8" (185mm x 85mm x 45mm)					
Weight	10.6oz (< 300g) (w/o batteries)					

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