

# EP330/EP320 PON Optical Power Meter

## Key Benefits

- Installation, troubleshooting, and maintenance of passive networks such as EPON, GPON and BPON, as well as scientific research and education of optical fiber communication.
- High-precision photodetector for stable and reliable measurement accuracy.
- Measuring 1310/1490/1550nm spectroscopically and pass-through at the same time with burst mode to measure burst optical power of 1310nm PON upstream signal.
- Compact, light weighted, rugged and portable with low power consumption.



## Overview

EP330/EP320 PON optical power meters are suitable for installation, troubleshooting and maintenance of passive optical network systems such as EPON, GPON and BPON, and also useful for scientific research and education of fiber optics communication. The meters adopt high-precision photodetector for accurate measurement. The meters perform spectroscopic and pass-through measurements on 1310nm, 1550nm and 1490nm wavelengths simultaneously, and the burst mode accurately measures the burst optical power of 1310nm PON upstream signal. EP330/EP320 are compact, light weighted, rugged, and portable with low power consumption to ensure easier and faster measurement.

## Specification

Wavelength	1310		1490		1550	
	Power Range (dBm)	continuous	10 to -45	12 to -45		25 to -45
	burst	8 to -30				
Through Insertion Loss (dB)	< 1.5					
Wavelengths (nm)	1260 to 1360		1480 to 1500		1540 to 1560	
Optical Isolation (dB)	1490	>50	1310	>40	1310	>40
	1550	>50	1550	>40	1490	>40
Power Accuracy	<0.5					
Fiber Type	single mode fiber					
Connector	APCs (default) or PC FC/SC replaceable, ST/LC optional					
Optical Return Loss (dB)	-55					
Polarization Loss (dB)	< ±0.25					
Resolution	0.1 dBm dB mW μW nW					
Power Supply	AA battery and 5VDC Micro USB power adapter					
Operating Hours	>60h (backlight off)					
Display	2.5" LCD					
Threshold	12					
Data Storage	2048 records					
Operating Temperature	-10 to +60°C, humidity < 80%					
Storage Temperature	-20 to +70°C					
Dimensions	<185mm × 85mm × 45mm					
Weight	<300 g (without battery)					