

# EP720 Series Optical Multimeter

## Key Benefits

- High-precision optical detectors and high-stability lasers for accurate measurement.
- Compact, rugged, light weight, portable with low-power consumption.
- High-power VFL and automatic wavelength/frequency detection.
- PC toolbox software to make the measurement easier and faster.



## Overview

EP720 series optical multimeters are suitable for installation, troubleshooting and maintenance of optical fiber network, and also useful for scientific research and education of fiber optics communication. The meter adopts high-precision photodetector and high-stability laser for accurate measurement. EP720 is compact, light weighted, rugged, and portable with low power consumption. A high-power visual fault locator (VFL) is included and (PC toolbox software is available to make the measurement easier and faster.

## Specification

Optical Power Meter				
	EP720A	EP720B	EP720C	EP720D
Measurement Range	-50 to +26dBm		-70 to +10dBm	
Measurement Accuracy	±0.17dB (±3%)			
Linearity	±0.07dB			
Calibrated Wavelengths	850, 980, 1300, 1310, 1490, 1550, 1610, 1625, 1650nm			
Resolution	0.01dBm, mW, μW, nW			
Wavelength / Frequency Detection	Frequency: 270Hz, 1KHz, 2KHz; Wavelength: 850, 1310, 1490, 1550, 1610nm			
Automatic Insertion Loss Accuracy	<1dB			
Connectors	FC/SC replaceable, ST/LC optional			
Light Source				
	EP720A/EP720C		EP720B/EP720D	
Center Wavelength	1310±20 nm FP Laser 1550±20nm FP Laser		1310±20 nm FP Laser 1550±20nm FP Laser 1490±3 nm DFB Laser	
Output Power	>-5dBm		>-3dBm	
Stability	± 0.04dB@20°C for 0.5 hour; ± 0.08dB@20°C for 8 hours after 15 minutes warm up			
Modulation Frequency	270Hz, 1kHz, 2kHz			
Connector	PC or APC, FC/SC replaceable, ST/LC optional			
General				
VFL	10mW			
Power Supply	AA rechargeable batteries; AC-DC 5V power adapter			
Operating Hours	Optical Power Meter>120h Light Source>40h VFL>10h (backlight and VFL off)			
Operating Temperature	Working: -10°C to +60°C Storage -20°C to +70°C			
Dimensions	<185mm x 85mm x 45mm			
Weight	<300g (without battery)			