

EP710 Series Optical Multimeter

Key Benefits

- All-in-one optical test set - combines a light source, optical power meter, and visual fault locator
- Ideal for CATV, FTTx, and PON applications
- Durable, palm-sized frame ideal for field operation
- Long battery life for all-day testing

EP710 Series optical multimeters pack both a light source and an optical power meter (OPM) in a single handheld unit. These testers are ideal for numerous optical test applications, including CATV, FTTx, and PON networks. The visual fault locator enables the user to quickly locate faults in the fiber, making it the perfect tool for installation and maintenance of optical distribution networks.

Models A, B, C, and D differ by OPM input range and light source wavelength. See model equivalency and specs below.



Specifications

Optical Power Meter		EP710A	EP710B	EP710C	EP710D
Input range		-50 ~ +26dBm		-70 ~ +10dBm	
Accuracy		± 0.17dB (± 3%)			
Liner		± 0.07dB			
Resolution		0.01 dBm, mW, uW, nW			
Calibrated wavelength		850, 980, 1300, 1310, 1490, 1550, 1610, 1625, 1650 nm			
Connectors		FC/SC (default); ST/LC (optional)			
Auto detection	Frequency	270 Hz, 1kHz, 2kHz			
	Wavelength	850, 1310, 1490, 1550, 1610nm			
Insertion loss accuracy		< ± 1dB			
Light Source		EP710A	EP710B	EP710C	EP710D
Central wavelength		1310 ± 20nm, 1550 ± 20nm (FP)	1310 ± 20nm, 1550 ± 20nm (FP) 1490 ± 3 nm (DFB)	1310 ± 20nm, 1550 ± 20nm (FP)	1310 ± 20nm, 1550 ± 20nm (FP) 1490 ± 3 nm (DFB)
Output power		> -5dBm		> -3dBm	
Power stability (after 15-min. warmup)		± 0.04dB @ 20°C (30min) ± 0.08dB @ 20°C (8hrs)			
Tone generation		270Hz, 1KHz, 2KHz			
Optical adapter		PC, FC/SC (default); APC, ST/LC (optional)			
General					
VFL		10mW			
Power		2x AA batteries AC 100~240V ±10% output / DC 5V (adapter)			
Working time (backlight off)		>100 hrs (OPM); >40 hrs (light source); >10 hrs (VFL)			
Operating temperature		-10°C ~ +60°C (14°F ~ +140°F)			
Storage temperature		-20°C ~ +70°C (-4°F ~ +158°F)			
Dimensions (LxWxH)		7.3" x 3.3" x 1.8" (185mm x 85mm x 45mm)			
Weight		10.6oz (< 300g) (w/o batteries)			

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