

# LS310 Series Light Source

## Key Benefits

- Multi-wavelength output: 1310 & 1550nm, or 1310 & 1490 & 1550nm (depending on model)
- CW mode or modulated mode: 270Hz, 1kHz, 2kHz
- 40 hours' working time
- New features: pair with AE210 Series OPM to auto-verify wavelengths and run dual-λ testing

The LS310 Series of light sources is perfect for qualifying applications using fiber optics for the physical layer, including FTx, CATV, PON, and long haul networks. These user-friendly instruments project a high-precision, semiconductor-grade laser for stable and accurate measurements.

LS310 Series units work in conjunction with a Visual Fault Locator (VFL) for detecting bends, splices, and faults in optical fiber.

Use the LS310A/B in conjunction with an AE210, 230, or 270 Optical Power Meter to access new paired functions such as wavelength auto-ID. Dual-λ mode switches between two wavelengths rapidly, producing measurement data for both.



## Specifications

Model	LS310A	LS310B
Designation	Double Wavelength Light Source	Triple Wavelength Light Source
Wavelengths	1310 ± 20nm (FP-LD) 1550 ± 20nm (FP-LD)	1310 ± 20nm (FP-LD) 1550 ± 20nm (FP-LD) 1490 ± 3nm (DFB)
Output power	> -5dBm	> -3dBm
RMS	< 5nm	
Fiber	Single-mode, 9/125 μm	
Power stability (after 15min warmup)	± 0.04dB @ 20°C (30 min) ± 0.08dB @ 20°C (8 hrs)	
Optical adapter	PC (default) APC optional FC/SC (default) ST/LC optional	
Tone generation	270 Hz, 1kHz, 2kHz	
Battery	2x AA batteries; > 40hrs continuous operation (backlight off)	
AC adapter	AC 100V~240V ± 10% output / DC 5V	
MTBF	10,000 hours	
Operating temperature	-10°C ~ +60°C	
Storage temperature	-20°C ~ +70°C	
Dimensions (LxWxH)	7.3" x 3.3" x 1.8" (185mm x 85mm x 45mm)	
Weight	10.6 oz (< 320g) (without battery)	

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