

K301 Series Optical Light Source

Product Overview

The K301 series stable light source is primarily designed for continuous optical signal power measurement, optical fiber link continuity testing, link fault diagnosis, and link loss evaluation. Manufactured using a thermal molding process, it features an attractive and durable structure. The device supports adjustable output power with a maximum adjustment range of 6 dB.

When used together with an optical power meter, the K301 series hand-held stable light source is widely applied in optical fiber construction and maintenance, optical communication systems, optical fiber sensing, CATV networks, and related fields. It is also suitable for testing the insertion loss and splitting ratio of passive components such as optical splitters, circulators, optical couplers, and optical switches.

Key Features

- Supports automatic shutdown
- Adjustable output power (6 dB range, adjustable in 1 dB steps)
- Customizable wavelength options
- Backlight on/off control
- Supports SM/MM integration
- Supports CW and multiple modulation outputs
- Optional 1625 nm / 1650 nm wavelengths available



Compact
appearance easy
to carry



SM/MM integration
4 wave integration



Ultra low power
consumption
72h working time



Environmental adaptability
Operating temperature
-10 °C to +50 °C

K301 Technical Specifications

LS		
	A	B
Wavelength (+/-20nm)	850nm / 1300nm	1310nm / 1550nm
Fiber Type	62.5/125 μ m (MM)	9/125 μ m (SM)
Laser Type	FP-LD	
Output Power	≤ -5 dBm	
Stability	± 0.02 dB (8 hours)	
Output Modes	CW / 270 Hz / 1 kHz / 2 kHz	
Power Regulation	0-6 dB, 1 dB step	
Connector Types	FC (SC / ST Optional)	
Others		
Power Supply	3 \times AA batteries	
Automatic Shutdown	10 minutes	
Continuous Working Time	≥ 72 hours (LS function)	
Operating Temperature	-10 $^{\circ}$ C to $+50$ $^{\circ}$ C	
Storage Temperature	-40 $^{\circ}$ C to $+70$ $^{\circ}$ C	
Relative Humidity	0-95% (non-condensing)	
Dimensions	186 mm \times 100 mm \times 50 mm	
Weight	140 g / 150 g	

Ordering Information

K301- X Wavelength: A: 850nm / 1300nm B: 1310nm / 1550nm	
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Configuration list

No.	Name	Quantity	Remarks
1	Host	1	
2	User's Manual	1	
3	Qualification Certificate/ Service Guarantee Card	1	
4	FC Adapter	1	