

K281 Stable Light Source

Product Overview

The K281 Series Stable Light Source is mainly used for continuous optical signal power measurement, optical fiber link on/off testing, link fault diagnosis, and link loss testing. It adopts a thermal molding process, ensuring a durable and aesthetically refined design. The instrument features adjustable output power, with a maximum adjustment range of 6 dB.

The K281 Series hand-held stable light source, when used in combination with an optical power meter, is widely applied in optical fiber construction and maintenance, optical fiber communication, optical fiber sensing, and optical CATV systems. It is also suitable for testing the insertion loss and splitting ratio of passive devices, such as optical splitters, circulators, optical couplers, and optical switches.

Key Features

- Adjustable output power with a 6dB range in 1dB steps
- Supports CW and multiple modulation output modes Support
- Supports customizable wavelengths
- Configurable automatic shutdown function
- RJ45 cable sequence testing
- RJ45 cable tracking (optional)



Compact appearance easy to carry



SM/SMM integrated design
Five-wavelength integration



Built-in flashlight function



1500 mAh lithium battery providing over 24 hours of operating time



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

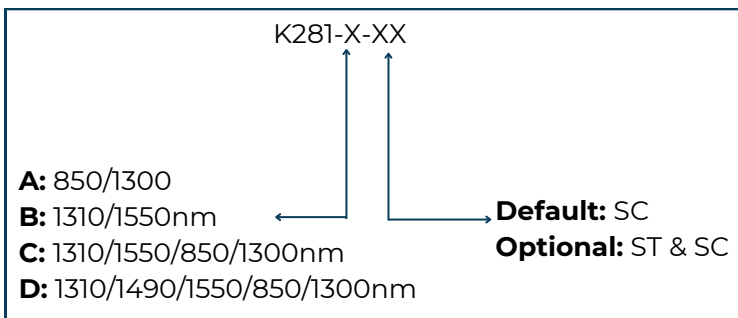
K281 Technical Specifications

LS

	A	B	C	D
Wavelength (+/-20nm)	850/1300nm	1310/1550nm	1310/1550/850/1300nm	1310/1550/1490/ 850/1300nm
Output Power	≤ -5 dBm			
Power Regulation Range	0 – 6 dB			
Power Regulation Step	1dB			
Working Mode	CW / 270 Hz / 330 Hz / 1 kHz / ID / TWINS			
Stability	±0.2 dB over 15 min (after 15 min preheating)			
Optical Connector	FC/SC/ST			
Others				
Display	Segment Code Screen			
Power Supply	Rechargeable Li-battery, 1500 mAh			
Automatic Shutdown Time	10 / 30 / 60 / 120 min (selectable)			
Battery Duration	> 24 hours			
Operating Temperature	-10 °C to +50 °C			
Storage Temperature	-40 °C to +70 °C			
Relative Humidity	0 – 95% (non-condensing)			
Weight	Approx. 235 g			
Dimensions	140 × 32 × 73 mm			

Ordering Information

Configuration list



No.	Name	Quantity	Remarks
1	Host	1	
2	Instruction Manual	1	
3	Certificate of conformity/after sales service warranty card	1	After-sales service included
4	Type-Cdata Cable	1	
5	5V Power Adapter	1	
6	Connector (SC)	1	