

K300 Series Optical Power Meter

Product Overview

The K300 Series is controlled by a single-chip microprocessor and offers multifunctional operation. Its ergonomic body design meets human-factor requirements and uses advanced thermal molding technology, providing an attractive and durable structure. The embedded detector and laser ensure effective protection and reliable performance.

The device features automatic power-off, three red-light modes, a backlit display, wavelength memory, user calibration, and a wide measurement range.

It is primarily used for continuous optical signal power measurement, optical fiber link loss testing, and fiber line continuity testing. The K300 Series is widely applied in optical cable construction and maintenance, optical fiber communication, fiber sensing, and optical CATV systems.

Key Features

- Supports simultaneous display of **mW** and **dBm**
- Supports **automatic power-off** and **backlight control**
- Retains **wavelength memory** after power-off
- Provides up to **120 hours of continuous operation**
- Supports user calibration
- Supports **CW / 1 Hz / 2 Hz red-light modes**
- Supports **SC / FC / ST optical interfaces**



Compact appearance easy to carry



Supports multiple test requirements



Ultra low power consumption



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

K300 Technical Specifications

Wavelength Range	800 nm – 1700 nm
Detector Type	InGaAs
Connector Interface	FC / SC / ST (Interchangeable)
Power Measurement Range	-70 dBm to +10 dBm (Standard) -50 dBm to +26 dBm (High Power option)
Measurement Uncertainty	±5%
Calibration Wavelengths	850 / 980 / 1300 / 1310 / 1490 / 1550 / 1625 / 1650 nm
Display Resolution	Linear display: 0.1% Logarithmic display: 0.01 dB
Visual Fault Locator (VFL Optional)	
Output Wavelength	650 nm ±30 nm
Output Power	10 mW
Operating Modes	CW / 1 Hz / 2 Hz
Connector Interface	FC (SC / ST Optional)
General Specification	
Power Supply	3 × AA Batteries
Automatic Shutdown Time	10 Minutes
Continuous Working Time	≥120 hours (OPM function)
Operating Temperature	-10°C to +50°C
Storage Temperature	-40°C to +70°C
Relative Humidity	0-95% (Non-condensing)
Dimensions (L × W × H)	186 × 100 × 50 mm
Weight	140 g (without battery) / 150 g (with battery)

Ordering Information

K300-X-Y

OPM Range:

A: -50 dBm to +26 dBm

B: -70 dBm to +10 dBm

VFL:

0: Without VFL

10: 10mW VFL

Configuration list

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