

## K280 Optical Power Meter

### Product Overview

The K280 Optical Power Meter is a multifunctional instrument that uses a high-sensitivity detector and single-chip microprocessor control. Its novel body design is ergonomically engineered to meet human-factor requirements, offering both durability and an attractive appearance. The Optical Power Meter and Visible Fault Locator incorporate embedded detectors and laser sources, ensuring effective protection and long-term reliability.

The standard configuration includes an Optical Power Meter, RJ45 sequence testing, and a flashlight. Optional features include a Visible Fault Locator, RJ45 tracking, and Bluetooth connectivity. The device is primarily used for continuous optical signal power measurement, optical fiber link loss testing, and fiber line continuity testing. It is widely applied in optical cable construction and maintenance, fiber-optic communication systems, optical cable sensing, optical CATV, and related fields.

### Key Features

- Supports 10 calibrated wavelengths
- Reference power setting with relative power display
- Automatic wavelength identification
- Threshold judgment with  $\sqrt{\quad}$  /  $\times$  indication and adjustable threshold settings
- Custom wavelength configuration
- Configurable automatic shutdown time
- Visible Fault Locator (VFL) (optional)
- Frequency identification function
- Data upload capability, compatible with PC/laptop-computer software



Flashlight



Relative dB/reference dBm  
Linear mW/non-linear dBm



1500mAh lithium battery  
>24h working time



1000 data saved  
Export to computer  
via data cable



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

# K280 Technical Specifications

## OPM

	A	B
Wavelength Range	800nm~1700nm	800nm~1700nm
Connector	FC/SC/ST	FC/SC/ST
Detector Type	InGaAs	InGaAs
Power Range	-70 to +10dBm	-50 to +26dBm
Uncertainty	± 5%	
Standard wavelengths	850/980/1270/1300/1310/1490/1550/1577/1625/1650nm	
Display Resolution	Linear: 0.1% Logarithmic: 0.01 dBm	
Identified Frequency	270Hz, 330Hz, 1kHz, 2kHz	
Storage	1000 records	
Custom Wavelengths	Up to 50	
Wavelength recognition	Support	

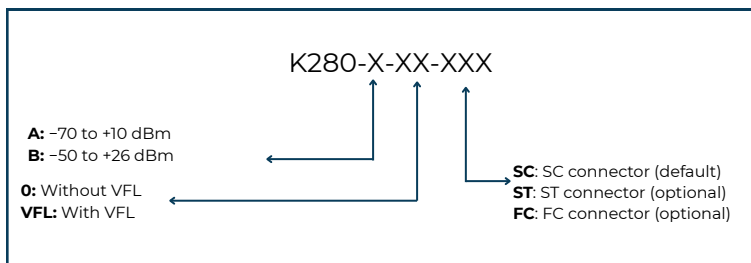
## VFL (Optional)

Wavelength	650±30nm
Output Power	=>10mW
Mode	CW/1Hz/2Hz
Connector	Universal FC/SC/ST

## Others

Display Type	Segment Code Screen
Battery Capacity	Rechargeable Li- Battery, 1500mAh
Auto Power-Off	10 / 30 / 60 / 120 minutes
Battery Life	=>24 hours continuous operation
Operating Temperature	-10°C to +50°C
Storage Temperature	-40°C to +70°C
Relative Humidity	0%-95% (non-condensing)
Weight	≈235 g
Dimensions	140X32x73 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	
4	Type-Cdata Cable	1	
5	CD-ROM	1	Optional
6	5V Power Adapter	1	
7	Connector (SC)	1	Standard
8	Special Instrument Package	1	