

TEKCN TC-200

Handheld Optical Power Meter with VFL

A fiber optic power meter is a device used to measure the optical power in a fiber optic system. It is an essential tool for technicians and engineers working with fiber optic networks, as it allows them to ensure that the optical signals are within the specified power levels. This measurement is crucial for maintaining the performance and reliability of the optical communication system.

Features

- Comfortable LCD display and optional backlight LCD display supports night operation;
- Power measurements in dBm or mw and insertion loss in dB;
- Reference power level storage (Ref Setting)
- Auto off function
- Result Record and USB interface
- Low battery consumption, more than 200 hours continual operation time with Li-On rechargeable battery.
- Rubber sheathed body and connector protective cover, anti-shock, anti-dust, anti-water and wear-resistant.

Applications

Fiber optic power meters are used in various applications, including telecommunications, data centers, cable TV networks, and fiber optic sensor systems.

Connector

Power meters come with various connector types such as SC, ST, FC, or LC, depending on the type of fiber connectors used in the network.

Maintenance and Care

Users should follow proper handling and cleaning procedures to maintain the accuracy of the measurements. Protective caps on the connectors should be used when the meter is not in use.

Product Parameters

Power measurement range (dBm)	-70 ~ +10	-50 ~ +26
Wavelength measurement range (nm)	800 ~ 1700	
Calibration wavelength (nm)	850、1300、1310、1490、1550、1625	
Probe	InGaAs	
Measurement accuracy	<±3% (-10dBm、22℃)	
Resolution (dB)	0.1% , 0.01dBm	
Working temperature (℃)	- 10 ~ +50	
Storage temperature (℃)	-20 ~ +70	
Relative humidity	90% (+30℃) , noncondensing	
Optical interface	FC、SC(ST LC optional)	
Power Supply	lithium battery	
Battery life (h)	120	
Automatic shutdown time (min)	10	
Weight (g)	160	
Size (mm)	130×63×29	
Red light (optional)	1650nm , 1/10/20/30/50mw; 0HZ、2HZ	

Packing list

