Fiber Optic Power Meter

Product Drawing

Product Description

Handheld OpticPower Meter(H-OPM)/laser source/Visible red light source(VFL) series products are mainly used for continuous optical signal power measurement，Low power microprocessor is used for control， The H-OPM has the advantages of fully functional and reliable performance. Widely used in optical fiber construction and maintenance, optical fiber communication, optical fiber sensing, optical CATV and other fields. Instrument mould adopts advanced cold shell molding process; beautiful and durable, Instrument mould Design meets Ergonomic requirements. The H-OPM uses the built-in detector, which can be protected well. With a small shape, you can choose the backlight display and automatic shutdown function, with ultra wide optical power testing range.

Product features

- Support linear mW and nonlinear index dBm simultaneous display.
- Support automatic shutdown.
- Support backlight selection.
- Support user self-calibration.
- Support restore factory settings.
- Supports FC, SC, and ST interfaces.
- Working time is longer than 120 hours.

Application

Installation, commissioning, and maintenance of fiber optic communication networks.

Performance testing and calibration of fiber optic sensing systems.

Testing and evaluation of fiber optic components such as fiber optic connectors, attenuators, etc.

Acceptance and troubleshooting of FTTH project.

Technical Specifications

Product Parameters

Project	Technical indicators	
Product name	Fiber Optic Power Meter	
Wavelength range	800nm~1700nm	800nm~1700nm

Optical Connector	FC/SC/ST	FC/SC/ST
Detector type	InGaAs	
Measurement range	-70dBm~+10dBm	-50dBm~+26dBm
Accuracy	±5%	
Standard wavelength	850/980/1300/1310/1490/1550/1625/1650nm	
Display resolution	mW：0.1%　dBm：0.01dBm	
650nm VFL (optional)	2mw/5mw/10mw/20mw/30mw/50mw	
Laser source (optional)	850/1300/1310/1490/1550/1625/1650nm	
Laser sourcestability	0.02dB	
Working temperature	-10~+60℃	
Storage temperature	-30~+70℃	
Auto off time	10 min	
Battery continuous operating time	⩾120 h	
Structuresize	186mm*100mm*50mm	
Power	Three section 5 batteries/Lithium battery (optional)	
Instrument net weight	240g	
Standard wavelength	850/980/1300/1310/1490/1550/1625/1650nm	
Display resolution	mW：0.1%　dBm：0.01dBm	