OLT-20 Series Optical Loss Tester

A Versatile Tool for Fast Testing of Optical Networks

OLT-20 Optical Loss Tester integrates laser source module and power meter module in one set, which can perform power testing and link loss testing in optic fiber network conveniently. The typical applications include fiber identification, attenuation and loss measurement, continuity verification and fiber link transmission quality evaluation for installation, routine inspection and daily maintenance of MAN, WAN and CATV systems as well as for lab test and research work.

Features

- Applicable on singlemode/multimode fibers
- Microprocessor & linear amplifier ensure long-time accuracy
- Quick response, no warm-up
- Interchangeable connectors: FC/SC/ST
- Dual-way power supply: 9V alkaline battery/Optional AC adapter
- Pocketsize, large LCD display
- Multi-wavelength measurement
- Display units: dB/dBm/mW/μW
- Link loss testing
- CW/Modulation mode (270/1K/2K Hz)
- Low power indication/Auto off
- CE, FCC, FDA certificates

Specifications

Model	OLT-20			
	A	B	C	D
Laser Source Module				
Wavelength (±20nm)	1310/1550	850/1300	1310/1550	850/1300
Output Power	≥ -7dBm			
Spectral Width	≤ 5nm			
Emitter Type	FP-LD			
Stability	±0.05 dB/15min ±0.10dB/8hr@1310/1550nm; ±0.15dB/8hr@850/1300nm			
MOD Frequencies	270, 1K, 2K Hz			
Connector Type	FC/PC (Interchangeable ST, SC)			
Optical Power Meter Module				
Detector Type	InGaAs			
Measurement Range	-70 ~ +10dBm (1)		-50 ~ +27dBm	
Accuracy	± 5% ± 0.01nW(± 0.5dB@850nm)		± 5% ± 1nW(± 0.5dB@850nm)	
Resolution	0.01dB			
Calibrated Wavelength(2)	850, 1300, 1310,1490, 1550, 1625nm			
General Specifications				
Power Supply	9V Alkaline battery / optional 9V AC adapter			
Battery Life	OPM mode≥40 hours; OPM+SLS mode≥20 hours			
Operating Temperature	0℃ to 50℃			
Storage Temperature	-20℃ to 70℃			
Relative Humidity	0 to 95% (Non-condensing)			
Weight	300g			
Dimension (H×W×T)	145×75×25mm			

Note: (1) For Model A&B At 850nm, the lower limit of measurement range is -60 dBm;

(2) Other wavelengths are open for customization.

* Specifications subject to change without notice