

# OLT-20 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.

- ◆ 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/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
<b>Laser Source Module</b>				
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)	
<b>Optical Power Meter Module</b>		
Detector Type	InGaAs	
Measurement Range	-70 ~ +10dBm <sup>(1)</sup>	-50 ~ +27dBm
Accuracy	± 5% ± 0.01nW (±0.5dB@850nm)	± 5%±1nW(±0.5dB@850nm)
Resolution	0.01dB	
Calibrated Wavelength <sup>(2)</sup>	850, 1300, 1310,1490, 1550, 1625nm	
<b>General Specifications</b>		
Power Supply	9V Alkaline battery / optional 9V AC adapter	
Battery Life	OPM mode≥40 hours; OPM+SLS mode≥20 hours	
Operating Temperature	-20°C to 50°C	
Storage Temperature	-40°C to 70°C	
Relative Humidity	0 to 95% (Non-condensing)	
Weight	300g	
Dimension (HxWxT)	145x75x25mm	

**Note:** (1) At 850nm, the lower limit of measurement range is -60 dBm;  
(2) Other wavelengths are open for customization.

\* Specifications subject to change without notice

### Ordering information

Standard Configuration:

Instrument, 9V alkaline battery, Rubber boot, Warranty card, CE certificate, Certificate of Calibration, User's manual

### Optional Parts

Part Description	Part Number	Part Description	Part Number
3m, optical patch cord	AC-FJC-03-FC/FC	Ceramics core for LS	AC-FRL-C
SC connector for LS	AC-CONN-SC-L	SC connector for PM	AC-CONN-SC-P-300
ST connector for LS	AC-CONN-ST-L	ST connector for PM	AC-CONN-ST-P-300
AC adapter for US	AC-ADPT-10-US	Compact soft carry bag	AC-PB-10

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