

OLT-20 Optical Loss Tester

Product Overview

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



Features

- Applicable on single mode/multimode fibres
- 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
- Compact, large LCD
- 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/±0.1 0 dB/ 8hr@1310/1550nm ; ±0.1 5 dB/ 8hr@850/1300nm			
MOD Frequencies	270, 1K, 2KHz			
Connector Type	FC/PC(Interchangeable ST, SC)			
Optical Power Meter Module				
Detector Type	InGaAs			
Measurement Range	-70 ~ +10dBm(l)		-50 ~ +27dBm	



Accuracy	$\pm 5\% \pm 0.01\text{nW}$ ($\pm 0.5\text{dB}@850\text{nm}$)	$\pm 5\% \pm 1\text{nW}$ ($\pm 0.5\text{dB}@850\text{nm}$)
Resolution	0.01dB	
Calibrated Wavelength	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	-20°C to 50°C	
Storage Temperature	-40°C to 70°C	
Relative Humidity	0 to 95% (Non-condensing)	
Weight	300g	
Dimension (H.W.T)	145.75.25mm	

* Specifications subject to change without notice

Note:

- 1) At 850nm, the lower limit of measurement range is 60 dBm
- 2) Other wavelengths are open for customisation

Ordering Information

Standard Package:

OLT-20, 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

