



Precision Rated Optics

Work with a PRO!

OLT-301 Series Optical Loss Testers



The OLT-301 Series Intelligent Optical Loss Tester is an all-in-one loss tester integrated with a Stabilized Light Source, Optical Power meter, Optical Loss Tester, ORL Tester and Length Testing functions. It can perform automatic bidirectional loss test on single fiber with Pass/Fail assessment. With rich functions, flexible configuration and excellent User friendly design, the OLT-301 Series is the ideal optical loss tester to completely evaluate the optical fiber link condition in FTTx, LAN, and CATV network.

SPECIFICATIONS

Item / Model No.	OLT-301	
Power Meter	Calibration wavelength (nm)	850 / 1300 / 1310 / 1490 / 1550 / 1625
	Connector Types	FC Interchangeable SC, ST
	Data Storage	1000 records
	Display Units	W / mW / μ W / nW / pW / dBm / dB(REF)
	Resolution	0.01dB
	Accuracy	± 0.5 dB @ 850nm
	Detector Type	InGaAs
	Measuring Range (dBm)	-70 ~ +10 or -50 ~ +27
	Frequency Recognition (Hz)	270 / 1K / 2K
Light Source	Output Wavelength (± 20 nm)	1310 / 1490 / 1550 / 1625
	Output Power	> -4dBm
	Spectrum Width	≤ 5 nm
	Emitter Type	FP-LD
	Output Mode (Hz)	270 / 1K / 2K
	Power Stability	± 0.05 dB / 15min; ± 0.10 dB / 8hr
Optical Loss Test	Link Loss Range	50dB (1550nm, 200km)
	Link Loss Accuracy	± 0.25 dB
	Link Loss Test Time	< 2 seconds per wavelength
ORL Test	ORL Range	0~60dB (APC connector)
	ORL Accuracy	± 0.75 dB @ (0~50dB), ± 1.5 dB @ (50~60dB)
	ORL Uncertainty	± 0.5 dB @ 20dB
	Power Supply	Lithium Battery/ AC Adapter
	Data Interface	USB
	Battery Life	Continuous Operation ≥ 35 hours
	Backlight Display	Yes
	Auto Off	Yes (Auto off after 5 minutes idle)
	Storage Temperature	-40° F ~ 158° F (-40° C ~ 70° C)
	Operating Temperature	-4° F ~ 122° C (-20° C ~ 50° C)
	Environmental Conditions	0 ~ 95% (Humidity, Non-Condensing)
	Weight & Dimensions (HxWxD)	7" x 3.1" x 1.7" / 12.34oz (177 x 80 x 44mm / 350g)

- Optical Power Monitoring
- Automatic Wavelength Identification
- Data Transfer to PC via USB
- High Resolution Color LCD
- 1000 Test Records Storage and Management

OLT-301 Series Standard Package Includes:

OLT-301 Optical Loss Tester, Lithium Battery, AC Adapter/ Charger, USB Cable, Software CD, Soft Carrying Case, Warranty Card, CE Certificate, Certificate of Calibration, User Manual

Ordering Information

OLT-301SM1AR	1310/1550nm, -70~+10 (dBm)
OLT-301SM1BR	1310/1550nm, -50~+27 (dBm)
OLT-301SM2AR	1310/1490/1550nm, -70~+10 (dBm)
OLT-301SM2BR	1310/1490/1550nm, -50~+27 (dBm)
OLT-301SM3AR	1310/1550/1625nm, -70~+10 (dBm)
OLT-301SM3BR	1310/1550/1625nm, -50~+27 (dBm)