

Optical Loss Tester

OT-1000

The Radiantech OT-1000 is the most powerful Optical Insertion Loss Testers (OILT) on the market, combining a stabilized laser light source and a standard calibrated power meter. This unit allows selection of calibration, wavelength or linear/logarithmic measurements. The set contains a microprocessor which controls and monitors the analog section, analog to digital converter, liquid crystal display keypad and calibration EPROM.

With a built-in light source OT-1000 is also designed for testing bi-directional optical power attenuation. With its ergonomic exterior and backlight LCD design, it is ideal for field installation and maintenance in LAN/WAN, FDDI, Telecom, and CATV applications.

Features

- Ideal for bi-directional testing for both multimode and single-mode fibers
- One-touch selection of Auto/Manual mode, on-screen wavelength display
- Peak-value display function with on/off toggle switch
- Ergonomic, eye-catching handheld package
- Backlight LCD display
- LCD displays on emitter power and wavelength
- Built-in LED flashlight

Applications

- Optical Insertion loss measurement
- Fiber attenuation measurement
- LD/LED light source in the fiber communication systems



Optical Loss Tester
(OT-1000)



▶ Power Meter Specifications

Item/Model	OT-1300
Sensor Type	Ge
Spectral Range	800 to 1800 nm
Measuring Range	+20 dBm ~ -45 dBm
Calibration	850, 1300, 1310, 1490, 1550 nm
Fiber Connector	FC and SC and UN adaptors
Uncertainty	±0.2 dB (±5%) at -20 dBm
Resolution	0.01 dB
Linearity	±0.05 dB

▶ Light Source Specifications

Item / Model	OT-1310	OT-1320
Emitter Type	LED	Laser Diode
Wavelength	1300±30 nm	1310/1550±30 nm
FWHM (Typical)	140 nm	5 nm
Output Power ¹	≥ -18 dBm (MMF)	≥ -10 dBm (SMF)
Connector Type	FC or SC	
Output Stability (1 hour/8 hours)	±0.06 dB/±0.1 dB	

▶ General Specifications

Dimensions	227 (L) x 117 (W) x 50 (H) mm
Weight	800 g
Temperature	Operating: 0 to +50 °C Storage: -20 to +60 °C
Humidity	0 ~ 95% RH (Non-condensing)
Battery Power	20 hours – Continues power meter usage 12 hours – Continues Light source on 6 hours – Battery recharge time

Remark:

All specs are subject to change without prior notice

