



Optical Loss Tester OT-5000

Optical Loss Testing

The OT-5000 Optical Loss Tester is an advanced all-purposed optical tester. With a built-in light source it allows testing fiber attenuation as a function of time, and hence large internal memories are needed if a trend is to be established. OT-5300's large internal memory and auto-memory function make OT-5300 the most powerful optical measurement tool today. In the DC mode, it can be used for simple optical power attenuation measurements with its built-in self-stabilized laser diode light source. The light source can also be used for a hands-free operation.

With its ergonomic exterior and backlight LCD design, it is ideal for field installation and maintenance in LAN/WAN, FDDI, Telecom, and CATV applications.

Main Features

- Data storage up to 2,500 measurements
- One-touch selection of relative or absolute power level
- Auto range detect at 2 kHz , 1 kHz , 330 Hz , 270 Hz
- Auto-memory allowing for data acquisition for a long time period
- RITEST FILE Management Software featuring direct reporting and on-line monitoring
- Peak-value display function with on/off toggle key
- Adjustable average value readouts for the last 20 measurements
- RS-232 communication port
- Ergonomic, eye-catching handheld package.
- Backlight LCD display



Applications

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

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Specifications

Item / Model	OT-5200	OT-5300
Sensor Type	Ge	InGaAs
Spectral Range	800 to 1800 nm	
Measuring Range	+20 dBm ~ -45 dBm	+3 dBm ~ -65 dBm
Calibration	850, 1300, 1310, 1490, 1550, 1625* nm	
Fiber Connector	FC, SC, ST	
Uncertainty	±0.2 dB (±5%) at -20 dBm	
Resolution	0.01 dB	
Linearity	±0.05 dB	
Emitter Type	Laser Diode	
Wavelength	1310 / 1550±30 nm	
FWHM (Typ.)	5 nm	
Output Power ₁	≥ -6.5 dBm(SMF)	
Connector Type	FC or ST or SC	
Output Stability (1/8 hr)	±0.05 dB/±0.1 dB	
Dimensions	196 (L) x 100 (W) x 40 (H) mm	
Weight	800 g	
Temperature	Operating: -0 to +50°C Storage: -10 to +60°C	
Humidity	0 ~ 85% RH (Non-condensing)	
Battery Power	12 hours – Continues power meter usage 8 hours – Continues Light source on 5 hours – Battery fully charged time	
Successive operation	Use AC adapter	

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