



Multifunction Optical Loss Tester

OT-5000

FiberPal™ Multifunction Optical Loss Tester

The Radiantech 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.

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 systems



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(OT-5000)

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Power Meter 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	820, 850, 1300, 1310, 1550 nm	
Fiber Connector	FC, SC, UN	
Uncertainty	±0.2 dB (±5%) at -20 dBm	
Resolution	0.01 dB	
Linearity	±0.05 dB	

* 1625 nm is calibrated only for OT-5300

Light Source Specifications

Item / Model	OT-5200 / OT-5300
Emitter Type	Laser Diode
Wavelength	1310/1550±30 nm
FWHM (Typ.)	5 nm
Output Power ¹	≥ -6.5 dBm(SMF)
Connector Type	FC or SC or UN
Output Stability (1/8 hr)	±0.05 dB/±0.1 dB

General Specifications

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

