



RADIANTECH

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 |



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