



RADIANTECH

Advanced Optical Power Meter

## Advanced Optical Power Meter

# OT-7000

The Radiantech OT-7000 is an advanced power meter covering spectral range from 850 nm to 1625 nm. With an auto memory function for up to 2,500 measurements, OT-7000 is ideal for cable acceptance and splicing loss report.

The unit allows selection of calibration wavelength or linear / logarithmic power measurements. The microprocessor inside controls analog section, analog to digital converter, liquid crystal display, touch sensitive keypad and EEPROM calibration. With its ergonomic exterior and backlight LCD design, it is ideal for field installation and maintenance in LAN/WAN, FDDI, Telecom, and CATV applications.



Advanced Optical Power Meter  
(OT-7000 series)

### Features

- Making allowance for varying averaging number to better results
- Absolute and relative power modes measurement
- RS-232 port for data output to a PC or a printer direct
- UP to 2,500 data storage with auto memory function
- Battery-low indicator on screen
- LED battery charging lamp
- Auto-off function for saving battery
- Auto ranging @ 2kHz , 1 kHz , 330 Hz , 270 Hz
- Automatically activated self-testing function
- Peak-value display function with on/off toggle key
- Ergonomic, eye-catching handheld package
- Backlight LCD display
- Built-in LED flashlight for murky place testing

### Applications

- Splicing loss test
- Connection loss test
- Cable acceptance test
- System monitoring measurement
- Continuous stability measurement
- Fiber identification with 2 kHz, 1 kHz, 330 Hz, 270 Hz modulation modes
- Optical network troubleshooting for Telecom, SONET, CATV etc.



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## Specifications<sup>1</sup>

Item \ Model	OT-7200	OT-7300
Sensor Type	Ge	InGaAs
Spectral Range	800 to 1800 nm	
Measuring Range <sup>2</sup>	+ 20 dBm ~ - 45 dBm SMF & MMF	+ 5 dBm ~ - 65 dBm SMF & MMF
Calibration	820, 850, 1300, 1310, 1490, 1550, 1625 <sup>3</sup> nm	
Fiber Connector	FC, SC, UN	
Uncertainty	± 0.2 dB (or ± 5%) over full spec range	
Resolution	0.01 dB	
Linearity	± 0.05 dB over full spec range	

## General Specifications<sup>1</sup>

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 – Continuous power meter mode 6 hours – Battery recharge time

### Remarks:

- All specs are subject to change without prior notice.
- Coupled into 9/125 μm SMF and 62/125 μm MMF.
- 1625 nm is calibrated only for OT-7300.

## Quality Assured & Standard Certified



+ ISO 17025 Lab

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