



Advanced Optical Power Meter

OT-7000

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

This 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.

Main Features

- Allowance for varying averaging number for better display
- Absolute or relative power mode
- RS-232 port for output to PC control
- UP to 2,500 data storage , with auto memory function
- Battery-low and battery charge status indicators and auto-off function for saving battery
- Auto ranging @ 2 kHz , 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



Applications

- Splicing loss test
- Connection loss test
- Cable acceptance test
- Fiber identification with 2 kHz, 1 kHz, 330 Hz, 270 Hz modulation modes
- Optical fiber troubleshooting for Telecom, SONET, CATV etc.

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Specifications

Item \ Model	OT-7200	OT-7300
Sensor Type	Ge	InGaAs
Spectral Range	800 to 1800 nm	
Measuring Range ²	+20 dBm ~ -45 dBm	+5 dBm ~ -65 dBm
Calibration	820, 850, 1300, 1310, 1490, 1550, 1625 ³ nm	
Fiber Connector	FC, SC, UN	
Uncertainty	±0.2 dB (±5%) at -20 dBm	
Resolution	0.01 dB	
Linearity	±0.05 dB	
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 6 hours – Battery recharge time	

Remarks:

1. All specs are subject to change without prior notice
2. Coupled into 9/125 mm SMF and 62/125 mm MMF
3. 1625 nm is calibrated only for OT-7300

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