



# Palm OTDR—OT-8600

## *Optical Time Domain Reflectometer*

The Palm OTDR (OT-8600) is a new miniature high performance optical time domain reflectometer which is designed as fiber troubleshooter for locating fiber connector, break and imperfections for access networks. It detects event locations along the optical fiber and displays the results on a color LCD display. This Palm OTDR is light, reliable and easy to use, hence it is ideal for FTTX testing.

The Application Software equipped is used for data analysis, processing and storage. With the RS-232 and USB Interface ports, enabling OT-8600 to transfer test data to computer and printer easily.

## *Main Features*

- Light, Compact, Cost-effective, Portable and Reliable
- Identifying the reflective and non-reflective type faults
- Backlight LCD color display
- 4 AA Size Alkaline Batteries
- Steady values after 5000 times test continuously
- Application Software for data analysis
- Dual Interface Ports, RS-232 and USB, for data transfer
- Low battery alert on screen
- Visual fault locator (optional)

## *Applications*

- Optical insertion loss measurement
- Fiber fault event(s) locating
- Fiber event(s) identification
- Fiber length measurement
- Monitoring system for data measurement
- Fiber types identification



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# Specifications

Item \ Model	OT-8610	OT-8620
Wavelength	1310 +/- 20 nm	1550 +/- 20 nm
Dynamic Range (dB)	8	7
Fiber Under Test <sup>2</sup>	9/125 µm Single Mode Fiber	
Measuring Time / each times	< 20 Sec	
Pulse Width	Auto Setting	
Event Dead Zone <sup>3</sup>	< 5 m	
Attenuation Dead Zone <sup>4</sup>	< 20 m	
Power Supply	4 AA Size Alkaline 1.5 Volt Batteries	
Distance Accuracy (Reflective Event Detection)	+/- (2m + 2x10 <sup>-5</sup> x Distance + Marker Resolution)	
Loss Accuracy	+/- 0.1 dB/dB	
Number of Trace Storage	50	
Communication Ports	RS-232 / USB	
Visual Fault Locator <sup>5</sup> (Wavelength / Power / Modulation)	650 nm / ≥ - 3 dBm / 1 Hz	

Dimensions	227 (L) x 117 (W) x 50 (H) mm (with bumper)
Weight	< 850 g
Temperature	Operating: 0 to +50°C Storage: -20 to +60°C
Humidity	5 to 95 % (non condensing)
Connector	SC or FC (optional)

Remarks:

1. All specs are subject to change without notice.
2. Test with Corning SMF-28
3. Reflective type connection could be normal adaptive connectors, normal mechanical splice connections or high return loss fiber breakage faults.
4. Non-Reflective type connection could be fusion splice connection or excessive bending point or fiber breakage faults.
5. VFL is Optional.

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