

# UW-6000L

**Optical Time Domain Reflectometer**

**Live Fiber Testing Compatible**  
**Built-in OLS, OPM, VFL**  
**& Event Map**

**One Unit...!! Testing All...!!!**



- **All in One Unit (OTDR With Built-In OLS, OPM, VFL & Event Map) Fiber Microscope (As Option)**
- **Live Fiber Testing Capability (Filtered Port)**
- **Recommended for Telecom/Access/FTTx**
- **Longer Battery Life of 6600mAh (Up-to 12 Hours)**
- **7 Inches Capacitive Touch Screen (Daylight Readable)**
- **Excellent Deadzones: 0.8/3.0m (EDZ/ADZ)**
- **Dynamic Range: 39/37/37dB (1310/1550nm/1625/1650nm)**
- **Memory of 32GB (More than 50000 Traces)**



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## Specifications

|                            |   |
|----------------------------|---|
| Central Wavelength         | 1310nm ± 20nm, 1550nm ± 20nm, 1625nm ± 20n 1650nm ± 20nm  |
| Dynamic Range              | 39dB / 37dB / 37dB  |
| Pulse Width                | 3ns ~ 20µs  |
| Test Range                 | 100m ~ 300Km  |
| Min. Sampling Resolution   | 4cm (0.04m)   |
| Max. Sampling Points       | 256000 Points   |
| Linearity                  | ± 0.05dB / dB   |
| Loss Resolution            | 0.001dB   |
| Distance Resolution        | 0.01m   |
| Distance Accuracy          | ± (1m+Range x 3 x 10 <sup>-5</sup> + Sampling Resolution) (Regardless of the Refractive Index)  |
| Result Storage             | 32GB Internal Memory, Store more than 50,000 Traces   |
| Power Supply               | AC adaptor: 100~240V input voltage, 50/60Hz; 7.4V output voltage(DC)<br>Inner lithium battery: 7.4V, 6600mAh for up to 12h of operation |
| Display                    | 7 Inches Capacitive Touch Screen, TFT Color LCD (Daylight Readable)   |
| User Data Interface        | 2x USB (Type-A), 1x Mini USB, RJ-45   |
| Environmental Conditions   | Operating Temperature : -10°C to 50°C Humidity: 0-95% RH  |
| Testing Modes              | Auto, Manual & Full Auto (Event Map)  |
| Dimensions & Weight        | 230 x 185 x 70mm   1.5Kg Including Batteries  |
| VFL (Visual Fault Locator) | 650nm, 20mW Maximum (Up-to: 10Km), Modulation: CW / 270Hz/ 1KHz / 2KHz  |
| OPM (Optical Power Meter)  | WL: 850-1650nm, -50dBm to +26dBm  |
| OLS (Optical Light Source) | WL: 1310-1550nm, Output: -5dBm ± 2dB Modulation: CW / 270Hz / 1KHz / 2KHz   |

## Standard Accessories

|    |                                       |        |
|----|---------------------------------------|--------|
| 01 | OTDR Unit UW-6000L                    | 01 No. |
| 02 | AC Adapter (Charger) & AC Power Cable | 01 No. |
| 03 | Built-In Battery                      | 01 No. |
| 04 | SC or FC Connector Adapter for OTDR   | 01 No. |
| 05 | Mini USB Cable                        | 01 No. |
| 06 | U-Disk (CD)                           | 01 No. |
| 07 | User Manual                           | 01 No. |
| 08 | Calibration Report                    | 01 No. |
| 09 | Carrying Case with Carrying Strap     | 01 No. |

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