## FIBER TOOLS

# OFL100 OTDR
## OPTICAL TIME-DOMAIN REFLECTOMETER

**TESTING | TROUBLESHOOTING | ACCURACY**

The OFL100 OTDR enables the front-line fiber technician to quickly locate loss events in the last mile of the FTTx network. The convenient touchscreen provides an intuitive interface for even newly provisioned technicians making it simple to locate loss events such as cut fibers, contaminated or damaged connectors, and excessively bent fibers.

The Auto Mode allows for the technician to initiate a measurement without adjusting any test parameters. The Expert OTDR Mode provides access to all features that the savvy OTDR technician demands so they can refine measurement parameters enabling them to troubleshoot the most demanding faults.

Results can be displayed using a traditional OTDR trace or linear map with user selectable Pass/Fail analysis. All events are measured, annotated, saved, and exported as an industry standard SOR file that is compliant to GR196 Telcordia standards. The SOR file can be imported into the Trace Viewing program where analysis can be performed, and test results can be saved as a PDF report.

### Product Features:

**FAST.**
- Easy to use one button test function. Start measurements with the push of one button.
- Auto test automatically sets test parameters for optimum test results.

**ACCURATE.**
- Graphical touchscreen interface is easy to read, even in high ambient light conditions.
- 128,000 data points provides high accuracy results.
- Measure lengths and fiber defects to quickly locate faults.

**RELIABLE.**
- Link Viewer annotates the entire fiber link in an easy to interpret Pass/Fail format.
- Cable acceptance reports generate customized reports that include trace signature and fiber events.
- Long life battery so you can work longer without recharging - up to 12 hour shift capable.

### Includes:
- OFL100
- Power Supply with USB cable
- Soft Carry Case with Strap
- SC/APC Adapter
- Certificate of Conformance
- Quick Reference Card
- 8GB SD Card



## TWO YEAR WARRANTY

### ACCESSORIES:

| CAT. NO. | DESCRIPTION |
|----------|-------------|
| OFL100-SCAPC | SC/APC Adapter |
| OFL100-LCAPC | LC/APC Adapter |
| OFL100-FCAPC | FC/APC Adapter |
| OFLPS-NA | OFL100 North American Power Supply with USB Cable |
| OFLPS-UK | OFL100 United Kingdom Power Supply with USB Cable |
| OFLPS-EU | OFL100 European Power Supply with USB Cable |
| OFLCC | OFL100 Carry Case with Strap |

### ORDERING INFORMATION:

| CAT. NO. | DESCRIPTION |
|----------|-------------|
| OFL100-NA | OFL100 with North American Power Supply |
| OFL100-EU | OFL100 with UK and European Power Supplies |

## TEMPO
### COMMUNICATIONS

中国大陆代理商
深圳市谱兆通讯设备有限公司
Tel:+86-755-8665-5448;+86-755-8665-5579; Email:info@pztest.com  Website:www.pztest.com

# OFL100 Specifications:

## OTDR

| | |
|---|---|
| Wavelength | 1310/1550nm |
| Dynamic Range | 26/24dB |
| Event Deadzone | 2.5m |
| Attenuation Deadzone | 8m |
| Measurement Ranges | 500m, 1km, 2km, 4km, 8km, 16km, 32km, 64km and 100km |
| Pulse Widths | 3ns, 5ns, 10ns, 20ns, 30ns, 50ns, 80ns, 160ns, 320ns, 500ns, 800ns, 1µs, 2µs, 3µs, 5µs, 8µs, 10µs and 20µs |
| Measurement Accuracy | ± (1m+Sample interval+0.005%xTest Distance) |
| Linearity | ≤0.05dB/dB |
| Sampling Points | 16,000 to 128,000 |
| Loss Resolution | 0.001dB |
| Loss Threshold | 0.20dB |
| Distance Resolution | 0.001m |
| Refractive Index | 1.00000 to 2.00000 |
| Reflection Accuracy | ±3dB |
| File Format | SOR compliant to Telcordia GR196 |
| Loss Analysis | Four Point & Five Point |
| Laser Safety | Class 1M |
| Bulkhead | SC/APC (Optional LC and FC) |
| Trace Update Rate | 3Hz |

## Optical Power Meter

| | |
|---|---|
| Wavelength Range | 800nm to 1700nm |
| Calibrated Wavelengths | 850nm, 980nm, 1300nm, 1310nm, 1490nm, 1550nm, 1625nm and 1650nm |
| Measurement Range | +26dBm to -50dBm |
| Measurement Resolution | 0.01dB |
| Measurement Accuracy | ±5% |
| Tone Frequencies/Sensing | CW, 270Hz, 330Hz, 1kHz and 2kHz |
| Bulkhead | 2.5mm Universal |

## Visual Fault Locator

| | |
|---|---|
| Wavelength | 650nm ±20nm |
| Output Power | <1mW |
| Mode of Operation | CW, 1Hz and 2Hz |
| Bulkhead | 2.5mm Universal |
| Laser Safety | Class 2 |

## Stabilized Laser Source

| | |
|---|---|
| Wavelength | 1310/1550nm |
| Output Power | ≥ -5dBm; variable |
| Power Stability | CW, ±0.5dB/15 minutes after continuous on of 15 minutes |
| Bulkhead | SC/APC (Optional LC and FC Available) |
| Tone Frequencies | CW, 270Hz, 330Hz, 1kHz and 2kHz |

## Optical Loss Testing

| | |
|---|---|
| Wavelength | 1310nm and 1550nm |
| Insertion Loss Testing | Integrated OPM and SLS |

## RJ45 Sequence Testing

| | |
|---|---|
| Cable Type | Straight and Interleaved (T568) |

## Mechanical

| | |
|---|---|
| Display | 4.3" 800x400 TFT LCD Touchscreen |
| Power Supply | AC to DC 100-240VAC, 50/60Hz |
| Power Supply Format | North America or United Kingdom and European |
| Battery Lifetime | >12 Hours Continuous Test |
| Battery | 3.7V, 4Ah Li ION |
| Weight | <1.1lbs (<0.5kg) Including Battery |
| Size | 6.8"x 4.3"x 1.8" (173mm x 109mm x 45mm) |

## Data

| | |
|---|---|
| Internal Storage | 8GB (>200,000 Curves) |
| Interface | USB Type C, 8GB SD Card |

## Environmental

| | |
|---|---|
| Operational Temperature | -10°C to +50°C |

*Specifications subject to change without notice

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