# FTP-1 Series *Standard Handheld OTDR*

The PRO FTP-1 OTDR boasts massive OTDR testing power in a small, ruggedized package. Designed for FTTx applications, the FTP-1 is also available with an optional Light Source, Power Meter and VFL.

With up to 65,534 sampling points, "Pass/Fail" assessment and ORL test function, the FTP-1 can precisely locate fiber events, making it perfect for FTTx applications, installation, maintenance, R&D and network testing. The user can store up to 1,000 test results and transfer the results (via USB) to data management software, such as FiberBase.

Sold, serviced and supported in the USA, the FTP-1 comes with a standard 1-year manufacturer's warranty, FC/PC, SC and ST adapters and a soft carrying case.

## Built-in:
- Light Source
- VFL

## SPECIFICATIONS

| | |
|---|---|
| Selectable Range (km) | 0.1, 0.3, 0.5, 1.3, 2.5, 5.0, 10 @ 850nm; 0.1, 0.3, 0.5, 1.3, 2.5, 5.0, 10, 20, 40, 80 @ 1300nm; 0.3, 1.3, 2.5, 5.0, 10, 20, 40, 80, 120, 160, 240 @ others |
| Pulse Width (2) | 12ns, 30ns, 100ns, 275ns, 1$\mu$s @ 850nm; 12ns, 30ns, 100ns, 275ns, 1$\mu$s, 2.5$\mu$s @ 1300nm; 5ns, 10ns, 12ns, 30ns, 100ns, 275ns, 300ns, 1$\mu$s, 2.5$\mu$s, 10$\mu$s, 20$\mu$s @ others |
| Averaging Time | 15s, 30s, 1min, 2min, 3min |
| Distance Measure Accuracy | ± (1m + 5x10-5 x Distance + Sampling Space) |
| Attenuation Detect Accuracy | ± 0.05 dB / dB |
| Reflection Detect Accuracy | ± 4dB |
| Data Storage | 1,000 records |
| Connectivity | USB / RS-232 |
| Connector | FC/PC (Interchangeable SC, ST) |
| Power Supply | NiMH Battery / AC Adaptor |
| Battery Life | 8 hours continuous operation; 20 hours standby (on one charge) |
| Operating Temperature | 32°F ~ 122°F (0°C ~ 50°C) |
| Storage Temperature | -4°F ~ 158°F (-20°C ~ 70°C) |
| Environmental Conditions | 0~95% (Humidity, Non-Condensing) |
| Weight & Dimensions (HxWxD) | 8.7" x 4.3" x 2.7" / 2.2 lb (220 x 110 x 70 mm / 1 kg) |

- Ideal for LAN/WAN/FTTx Certification & Troubleshooting
- Optional Stabilized Light Source, SM/MM Power Meter and VFL
- Pass/Fail Assessment and ORL Test Function
- Storage of 1,000 Test Results
- USB/RS-232 Data Interface, Driver-Free

## SPECIFICATIONS

| | 1M2A | 1S2A | 1S2B | 1S2C | 1S2D |
|---|---|---|---|---|---|
| Wavelength (± 20nm) | 850/1300 | 1310/1550 | | | |
| Dynamic Range | 21/24dB | 28/26dB | 32/32dB | 38/37dB | 45/43dB |
| Event Deadzone (m) | 1.8 | | | 2.5 | |
| Attenuation Deadzone (m) | 8 | 10 | | 14 | |
| Multimode | Yes | No | | | |

## Ordering Information

| | |
|---|---|
| FTP-1M2A-PSF | MM (850/1300) OTDR:21/24dB |
| FTP-1S2A-PSF | SM (1310/1550) OTDR: 28/26db |
| FTP-1S2B-PSF | SM (1310/1550) OTDR: 34/32dB |
| FTP-1S2C-PSF | SM (1310/1550) OTDR: 38-37dB |
| FTP-1S2D-PSF | SM (1310/1550) OTDR: 45/43dB |

### FTP-1 Series Standard Package Includes:

OTDR, Rechargeable Battery, AC/DC Adapter, Trace Manager Software CD, Data Transfer Cable (RS232/USB), Rubber Boot, Warranty Card, CE Certificate, Certificate of Calibration, Quick-Reference Guide, Soft Carrying Case

P/N: FTP-1     v.10.15.15

# FTP-1 Series

## PON-Optimized Handheld OTDR
### (w/ Standard Power Meter)

The PRO FTP-1 OTDR boasts massive OTDR testing power in a small, ruggedized package. Designed for FTTx applications, the FTP-1 is also available with an optional Light Source, Power Meter and VFL.

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### Built-in:
- Light Source
- VFL
- Standard Power Meter

### SPECIFICATIONS

| | |
|---|---|
| Selectable Range (km) | 0.1, 0.3, 0.5, 1.3, 2.5, 5.0, 10 @ 850nm; 0.1, 0.3, 0.5, 1.3, 2.5, 5.0, 10, 20, 40, 80 @ 1300nm; 0.3, 1.3, 2.5, 5.0, 10, 20, 40, 80, 120, 160, 240 @ others |
| Pulse Width (2) | 12ns, 30ns, 100ns, 275ns, 1$\mu$s @ 850nm; 12ns, 30ns, 100ns, 275ns, 1$\mu$s, 2.5$\mu$s @ 1300nm; 5ns, 10ns, 12ns, 30ns, 100ns, 275ns, 300ns, 1$\mu$s, 2.5$\mu$s, 10$\mu$s, 20$\mu$s @ others |
| Averaging Time | 15s, 30s, 1min, 2min, 3min |
| Distance Measure Accuracy | ± (1m + 5x10-5 x Distance + Sampling Space) |
| Attenuation Detect Accuracy | ± 0.05 dB / dB |
| Reflection Detect Accuracy | ± 4dB |
| Data Storage | 1,000 records |
| Connectivity | USB / RS-232 |
| Connector | FC / PC (Interchangeable SC, ST) |
| Power Supply | NiMH Battery / AC Adaptor |
| Battery Life | 8 hours continuous operation; 20 hours standby (on one charge) |
| Operating Temperature | 32°F ~ 122°F (0°C ~ 50°C) |
| Storage Temperature | -4°F ~ 158°F (-20°C ~ 70°C) |
| Environmental Conditions | 0~95% (Humidity, Non-Condensing) |
| Weight & Dimensions (HxWxD) | 8.7" x 4.3" x 2.7" / 2.2 lb (220 x 110 x 70 mm / 1 kg) |

- Ideal for LAN/WAN/FTTx Certification & Troubleshooting
- Optional Stabilized Light Source, SM/MM Power Meter and VFL
- Pass/Fail Assessment and ORL Test Function
- Storage of 1,000 Test Results
- USB/RS-232 Data Interface, Driver-Free

### SPECIFICATIONS

| | 1S3A | 1S3B | 1S3C |
|---|---|---|---|
| Wavelength (± 20nm) | 1310/1490/1550 | 1310/1550/1625 | 1310/1550/1650 |
| Dynamic Range | 38/37/37dB | | |
| Event Deadzone (m) | 2.5 | 1.5 | |
| Attenuation Deadzone (m) | 14 | 10 | |

### FTP-1 Series Standard Package Includes:

OTDR, Rechargeable Battery, AC/DC Adapter, Trace Manager Software CD, Data Transfer Cable (RS232/USB), Rubber Boot, Warranty Card, CE Certificate, Certificate of Calibration, Quick-Reference Guide, Soft Carrying Case

### Ordering Information

| | |
|---|---|
| FTP-1S3A-PSF | SM (1310/1490/1550) OTDR:38/37/37dB |
| FTP-1S3B-PSF | SM (1310/1550/1625) OTDR:38/37/37dB |
| FTP-1S3C-PSF | SM (1310/1550/1650) OTDR:38/37/37dB |

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# FTP-1 Series
## PON-Optimized Handheld OTDR
### (w/ PON Power Meter)

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### Built-in:
- Light Source
- VFL
- Standard Power Meter

- Ideal for LAN/WAN/FTTx Certification & Troubleshooting
- Optional Stabilized Light Source, SM/MM Power Meter and VFL
- Pass/Fail Assessment and ORL Test Function
- Storage of 1,000 Test Results
- USB/RS-232 Data Interface, Driver-Free

## SPECIFICATIONS

| Selectable Range (km) | 0.1, 0.3, 0.5, 1.3, 2.5, 5.0, 10 @ 850nm; 0.1, 0.3, 0.5, 1.3, 2.5, 5.0, 10, 20, 40, 80 @ 1300nm; 0.3, 1.3, 2.5, 5.0, 10, 20, 40, 80, 120, 160, 240 @ others |
|---|---|
| Pulse Width (2) | 12ns, 30ns, 100ns, 275ns, 1$\mu$s @ 850nm; 12ns, 30ns, 100ns, 275ns, 1$\mu$s, 2.5$\mu$s @ 1300nm; 5ns, 10ns, 12ns, 30ns, 100ns, 275ns, 300ns, 1$\mu$s, 2.5$\mu$s, 10$\mu$s, 20$\mu$s @ others |
| Averaging Time | 15s, 30s, 1min, 2min, 3min |
| Distance Measure Accuracy | ± (1m + 5x10-5 x Distance + Sampling Space) |
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| Reflection Detect Accuracy | ± 4dB |
| Data Storage | 1,000 records |
| Connectivity | USB / RS-232 |
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| Environmental Conditions | 0~95% (Humidity, Non-Condensing) |
| Weight & Dimensions (HxWxD) | 8.7" x 4.3" x 2.7" / 2.2 lb (220 x 110 x 70 mm / 1 kg) |

## SPECIFICATIONS

|  | 1P1A | 1P1B | 1P3A | 1P3B |
|---|---|---|---|---|
| Wavelength (± 20nm) | 1625 | 1650 | 1310/1550/1625 | 1310/1550/1650 |
| Dynamic Range | 37dB | 37dB | 38/37/37dB | |
| Event Deadzone (m) | 1.5 | | | |
| Attenuation Deadzone (m) | 10 | | | |

## Ordering Information

| FTP-1P1A-NSF | SM (1625) OTDR:37dB |
|---|---|
| FTP-1P1B-NSF | SM (1650) OTDR:37dB |
| FTP-1P3A-NS | SM (1310/1550/1625) OTDR:38/37/37dB (No VFL) |
| FTP-1P3B-NS | SM (1310/1550/1650) OTDR:38/37/37dB (No VFL) |

### FTP-1 Series Standard Package Includes:

OTDR, Rechargeable Battery, AC/DC Adapter, Trace Manager Software CD, Data Transfer Cable (RS232/USB), Rubber Boot, Warranty Card, CE Certificate, Certificate of Calibration, Quick-Reference Guide, Soft Carrying Case

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