## Technical specifications

| OTDR | | |
|---|---|---|
| **Model** | **D0** | **S0** |
| **Type** | G.652 SM | |
| **Wavelength** | 1310nm/1550nm±20nm | 1550nm±10nm |
| **Dynamic Range** | 32/30dB | 30dB |
| **Event Blind Zone** | ⩽1.5m | |
| **ATT Blind Zone** | ⩽8m | |
| **Test Range** | 0.1km/0.3km/0.5km/1.25km/2.5km/5km/10km/20km/40km/80km/125km/260km | |
| **Pulse Width** | 5ns/10ns/20ns/30ns/50ns/80ns/100ns/200ns/300ns/500ns/800ns/1us/2us/3us/5us/8us/10us/20us | |
| **Ranging Accuracy** | ±(0.75m+取样间隔+0.0025%x测试距离) | |
| **Linearity** | +0.03dB/dB | |
| **Sample Points** | ⩾160k | |
| **Sample Resolution** | 0.015m~16m | |
| **Loss Resolution** | 0.001dB | |
| **Loss Threshold** | 0.20dB | |
| **Range Resolution** | 0.001m | |
| **Refractive Index** | 1.00000~2.00000 | |
| **Reflection Accuracy** | ±3dB | |
| **File Format** | SOR Standard File Format | |
| **Loss Analysis** | 4-point method /5-point method | |
| **Laser Safety Level** | Class II | |
| **Connector** | FC/UPC (Interchangeable SC、ST) | |
| **Refresh Rate** | 3Hz (Typ.) | |
| **Multitasking** | Support | |

| OPM | |
|---|---|
| **Wave Range** | 800nm~1700nm |
| **Calibration Wave** | 850/980/1300/1310/1490/1550/1625/1650nm |
| **Test Range** | -40~+26dBm (Split-wave power (S0) optional)<br>-70~+10dBm(Optional)/-50~+26dBm(Standard) |
| **Resolution** | 0.01dB |
| **Uncertainty** | ±5% |
| **Frequency Identification** | CW/270/330/1k/2kHz(Use inner LS) |
| **Connector** | Universal FC/SC/ST |
| **Wave Recognition** | Support |

| VFL | |
|---|---|
| **Wavelength** | 650nm±20nm |
| **Output Power** | ⩾10mW |
| **Mode** | CW/1Hz/2Hz |
| **Connector** | FC/UPC (Interchangeable SC、ST) |
| **Laser Safety Level** | Class III |

| LS | |
|---|---|
| **Wavelength** | Consistent with OTDR |
| **Laser Type** | FP-LD |
| **Power** | ⩾-5dBm |
| **Stability** | CW, ±0.5dB/15min (After15min of preheating) |
| **Connector** | FC/UPC (Interchangeable SC、ST) |
| **Mode** | CW/270Hz/330Hz/1kHz/2kHz |
| **Wave Recognition** | Support |

| Optical Loss Test | |
|---|---|
| **Wavelength** | Consistent with LS |
| **IL Test** | Support |

| RJ45 Cable Tracking | |
|---|---|
| **Mode** | Digital tracking |
| **Distance** | ⩽300m |
| **Online/Line Pair Tracking** | Support |

| Others | |
|---|---|
| **Display** | 5.6 inch color LCD+ touch screen |
| **Power Supply** | AC/DCadapter:Input:100V~240V, 50/60Hz;0.6A,Output:12V~19V,1.5A, Lithium battery.:7.4V，5200mAh |
| **Working Temperature** | -10℃~+50℃ |
| **Storage Temperature** | -40℃~+70℃ |
| **Relative Humidity** | 0~95% Non Condensing |
| **Weight** | ⩽1kg (Battery included) |
| **Size** | 227mmx160mmx70mm |

Standard configuration: OTDR, Event Map, OPM, LS, VFL, RJ45 Cable Tracking, RJ45 Cable Sequence, Optical Loss Test

## Configuration list

| NO. | Name | Quantity | Remarks |
|---|---|---|---|
| 1 | Host | 1 | |
| 2 | AC/DC power adapter | 1 | |
| 3 | TF Card (containing analysis software/ User's Manual) | 1 | |
| 4 | Rj45 Tracker | 1 | |
| 5 | Line Sequence Remote | 1 | |
| 6 | Data line | 1 | |
| 7 | OTDR SC adapter | 1 | |
| 8 | OPM SC adapter | 1 | |
| 9 | User's Manual | 1 | |
| 10 | Calibration certification | 1 | |
| 11 | Certificate/ Warranty card | 1 | |
| 12 | Clean cotton piece | 1 | |
| 13 | Leather knob | 1 | |
| 14 | Special backpack for instrument | 1 | |

# Smart- OTDR




## Product overview

OTDR adopts a 5.6-inch color capacitive full touch screen, which supports dual operation of button + touch. The appearance is novel and beautiful, strong and durable; Simple interface, easy to operate, can quickly and efficiently carry out field testing and maintenance operations; Internal integration OTDR, event map, optical power meter, RJ45 line sequence hunt and other functions to meet different occasions a variety of test needs. The whole machine is matched with powerful internal analysis software, which can provide accurate data services for terminal testers.

Series is used to measure the length, loss, connection quality and other parameters of various optical fiber and cable. It is widely used in the engineering construction, line maintenance and emergency repair test of optical fiber to the home, metropolitan area and secondary backbone network communication systems, and the development and production measurement of optical fiber cables.

## Product features

- 1.5m short event blind area, easy to test 5m jumper
- Unique automatic diagnostic function for test results
- Line with light detection, effective active APD protection
- Automatic OTDR: One-click testing without complicated setup
- The optical power meter supports CW/270/330/1k/2kHz frequency recognition
- Digital radar type RJ45 line hunting, anti-interference ability is stronger
- One click screenshot, easy to save the interface
- Button + touch screen dual operation mode

5.6 inch screen
Key + touch operation mode

Detection of online tes
Caution function

10h
10 hours long endurance
Long time outdoor construction

Light loss test Easily tests the insertion loss of the part under test

File management
computer level management