

IT-TD200 - Infilink OTDR

Infilink IT-TD200 is suitable for normal as well as harsh environment usage.

IT-TD200 transmits in dual-wavelength of 1310 and 1550nm on a single bulkhead. This OTDR mainframe is suitable for testing a wide spectrum of fiber applications, ranging from Telenet and WDM to MAN, FTTH and LAN network.



Key Features

- Dual Wave Length 1310nm & 1550nm
- Wide Touch Screen
- Maximum Dynamic Range: 35/34 dB
- Maximum Distance : 410KM
- 8 Hours of operation on battery
- Very light weight (approx. 3.0 Kg)

Features:

- 1. Humanization Interface**
 - English menu, easy operation.
 - Image zoom, complete curve display.
- 2. Highly active**
 - Startup time is 1 second.
 - Rapid Sampling, analysis and report generation.
- 3. Flexible and portable design, convenient to use in the field.**
 - Waterproof case, airproof seam and extra protective cover to protect ports.
 - High level antireflection TFT screen, allowing clear view of display under direct sunlight.
 - Extreme durable keys and knob.
 - Exceed 8 hours battery working time.
- 4. Configuration**
 - The IT-TD200 is designed as single mode configuration. It can be used for testing on dual wavelength.
 - User can choose combination of 1310 and 1550nm wavelengths to covering all fiber applications from Telenet and WDM to MAN, FTTH and LAN network. It provides a stable light source, as well as the option of adding a visual fault locator. IT-TD200 OTDR software is both automated and easy to use.
 - User can choose from two operating modes according to their specific requirements:
 - **Auto Mode**
Lets you select acquisition parameters automatically. Perfect for basic, repetitive OTDR applications or for occasional users.
 - **Manual Mode**
Multiple setup and measurement capabilities increased flexibility. It can be changed the parameters of optical index of refraction and fiber excess coefficient setting to measure the maximum distance.
- 5. Speciality Report**
 - Make use of configurable report and batch printing, fast and effectively create full speciality report.
 - Optical Fiber Cable Report
 - Create optical fiber cable report and get particular report:
 - Fast print
 - Print the OTDR curve of display and choose stat.



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Specifications:^a

| Model | IT-TD200 |
|---|--|
| Wavelength | 1310±20/1550±20nm |
| Maximum dynamic range | 35/34 dB |
| Event dead zone ^b | 1.6/1.6 m |
| Attenuation dead zone ^b | 4.5/5 m |
| Distance | 0.8 km, 1.6 km, 3.2 km, 6.4 km, 12.8 km, 25.6 km, 51.2 km, 102.4 km, 204.8 km, 409.6 km |
| Pulse width | 8 ns, 16 ns, 40 ns, 80 ns, 160 ns, 320 ns, 640 ns, 1280 ns, 2560 ns, 5120 ns, 10240 ns, 20480 ns |
| Linearity | ±0.03 dB/dB |
| Loss threshold | 0.01 dB |
| Loss resolution | 0.001 dB |
| Sampling resolution | 0.025 to 0.03m |
| Sampling points | Up to 128000 |
| Distance uncertainty ^d | ± (0.75+0.0025%×distance) m |
| Measure time | User -defined (180min maximum) |
| Typical real-time refresh | Guaranteed : ≤0.4s Typical : ≤0.3s |
| Stable source output power ^e | -8 dBm |
| Display | Touchscreen, color,640×480TFT203mm (8in) |
| Storage | Compact Flash cards |
| Batteries ^f | Rechargeable Li-Ion 6600mAh 8h of operation |
| Power supply | AC/DCadapter, input : 100-240VAC、50-60Hz、>1A ; output:19VDC, >3A |
| Operating temperature | -5°C to 50°C (23°F to 122°F) |
| Storage temperature ^g | -40°C to 70°C (-40°F to 158°F) |
| Relative humidity | 0% to 95% (non-condensing) |
| Size (H×W×D) | 300mm*205mm*95mm |
| Weight | 3kg |

Notes

- All specifications valid at 23°C ±2°C (73.4°F±3.6°F)with an FC/PC connector unless otherwise specified.
- Typical dead zone of single mode for reflectance below -45dB,using a 8ns pulse.
- Typical dynamic range with a three-minute averaging at SNR=1.
- Does not include uncertainty due to fiber index.
- Typical output power value at 1550nm.
- Standard recharge time is 3h. Recharge temperature:0°C to 35°C: 32°F to 95°F).
- Not including internal batteries. Battery maximum storage temperature 60°C (140°F).

FOR PRODUCTS INFORMATION

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| World Wide Web | http://www.infilinktechnologies.com |
| E-mail | customercare@infilinktechnologies.com |
| U.S. and Canada - Tel | (415) 482-6681 |