 TECHNOLOGY

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| **MT-1300 | Multi-functions Optical Time Domain Reflectometer**  |

 ◆ 3.5 inch color TFT-LCD (touch screen)

 ◆ Handheld design, light weight and easy operation

◆ Applicable fiber: SM

 ◆ Dynamic Range: 24/22dm

◆ RJ 45 cable TDR test, cable sequence test

 ◆ Optical power meter, Visual fault locator, Laser source

◆ Can create test report

MT-1300 hand-held optical time domain reflectometer is a high-performance, cost-effective optical network analysis barrier tester, with a lightweight, easy to use, highly intelligent, single-key automatic fast test and other notable features. The instrument is small, light weight, powerful, battery-powered. Easy to operate interface, touch screen and key panel can be achieved on the operation of the OTDR to meet the operating habits of different testers.

**Features**

* Display: 3.5 inch color TFT-LCD screen
* Handheld design, light weight and easy operation
* Single mode: 1310/1550 nm
* Dynamic range: 24 / 22dB (can test about 60 km)
* Automatic measurement mode: 1310/1550 nm dual wavelength can be tested simultaneously
* Applicable fiber: SM
* <8m extra-short event dead zone
* Wavelength: 1550nm
* Up to 24dB High Dynamic Range
* Distance Range: 4,8,16,32,64,128,256km
* Pulse width: 3ns-10us
* RJ45 cable TDR test & cable sequence test
* Optical power meter, Visual fault locator, Laser source
* Event Map, can display the length of the link, the type of event point and the position of break point.
* USB interfaces, supporting USB stick and printer and direct cable download to PC via ActiveSync
* LED light
* Built-in friendly-environment lithium battery with high capacity for over 12 hours of operating life

**Specifications**

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| Items  | MT-1300 Plus |
| Dynamic range | 24/22dB |
| Wavelength (±20 nm) | 1310/1550 |
| Display | 3.5 inch colorful TFT-LCD screen |
| Event dead zone | 3m |
| Attenuation Dead zone | 8m |
| Optical interface | FC/UPC(SC and ST are exchange) |
| Distance range  | 500m-60km |
| Pulse width (ns) | 3ns-10us |
| Sampling point | 16k-256k |
| Sampling resolution | 0.05m-8m |
| Distance measurement precision | ±(1 m + 5 x 10-5 x Distance + Sampling interval) |
| Data storage | ＞500 test traces |
| Laser safety level | CLASS II |
| File form | SOR standard file form |
| Communication interface | USB |
| VFL | Wavelength | 650nm |
| Output power  | 10mW |
| Optical Power meter | Wavelength | 850/1300/1310/1490/1550/1625nm |
| Testing range | -70dBm - +10dBm |
| Light source | Wavelength | 1310/1550nm |
| External power supply | DC 5V 2A |
| Battery | Built-in 3.7V Lithium polymer battery, 4000mAh |
| Operation time | normal working time 12 hours |
| Working Temperature | -10℃---+50℃ |
| Working Humidity | 0 -95% |
| Dimension/Weight | 173mm x 82mm x 37mm / 0.4kg |

Note:

1. Technical specifications describe the guaranteed performance of the OTDR when a typical UPC connector is used for measurement. The uncertainty caused by the reflection ratio of the optical fiber is not considered. The MT-2300 is measured when the measuring range is 120km. the pulse width is 2560 ns, and the average time is 3 min.
2. Dead zone measurement conditions: The reflection event occurs within 4 KM. The reflection strength is smaller than -45 Db. The minimum pulse width is used.