

## MT-2300 | Multi-functions Optical Time Domain Reflectometer



- ◆ 3.5 inch color TFT-LCD (touch screen)
- ◆ Rugged design, light weight and easy operation
- ◆ Applicable fiber: SM
- ◆ Up to 28dB High Dynamic Range
- ◆ Traces fixed function mode for comparison with reference waveforms
- ◆ Provides multiple "multi-wavelength analysis" functional modes for multiple trace comparisons
- ◆ Flexible measurement mode switching

MT-2300 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 (touch screen)
- Rugged design, light weight and easy operation
- Single mode: 1310/1550 nm
- Dynamic range: 30 / 28dB (can test about 80 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 28dB High Dynamic Range
- Distance Range: 4,8,16,32,64,128,256km
- Pulse width: 10,30,80,160,320,640,1280,5120,1024ns
- Traces fixed function mode for comparison with reference waveforms
- To achieve the automatic naming of the measurement file, automatic storage operation, simplifying the use of the operator program
- USB interfaces, supporting USB stick and printer and direct cable download to PC via ActiveSync
- Provides multiple "multi-wavelength analysis" functional modes for multiple trace comparisons
- Memory capacity >800 traces
- Built-in friendly-environment lithium battery with high capacity for over 8 hours of operating life

## Specifications

Dynamic (1)	30/28dB	32/30dB
Wavelength ( $\pm 20$ nm)	1310/1550	
Display	3.5 inch TFT LCD touch screen	
Light source type	LD	
Optical interface	FC/UPC	
Distance range (km)	0.3、1、3、5、10、30、60、120	
Pulse width (ns)	5、10、20、40、80、160、320、640、1280、2560、5120、10240、20480、Auto	
Measurement duration	15s、30s、1min、2min、3min	
Attenuation dead zone (2)	10m	10m
Event dead zone	1.8m	1.8m
Distance measurement precision	$\pm(1\text{ m} + 5 \times 10^{-5} \times \text{Distance} + \text{Sampling interval})$	
Data storage	>60000 test traces	
Communication interface	USB	
VFL	Wavelength	650nm
	Output power (dBm)	$\geq -3$
	Test distance (km))	3
Optical Communications Test	YES	YES

### 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.