



## SM/MM OTDR

Sub-Model	Testing Wavelength	Dynamic Range	Event/Attenuation Dead-Zone
TC-280A	1310nm/1550nm	30/28dB	0.8/4m
TC-280B	1310nm/1550nm	32/30dB	0.8/4m
TC-280C	850nm/1300nm	19/21dB	1.2/8m

1. Dynamic range is measured with maximum pulse width, averaging time is 3 minutes.
2. Event dead zone is measured with minimum pulse width.

## Main Features

- Integrated design, smart and rugged.
- Small and light, easy to carry.
- Battery indicator function.
- Long working hours for outdoor operation.
- Friendly interface, visual keyboard capable.
- Multi-measuring modes, simple to use, finish measurement by just one button.
- Realtime measuring function, convenient to monitor the splicing process.
- Internal 10mw visual fault locator for accurate positioning the closer fault point.
- Warning function could prevent module of OTDR damaged by optical signal.
- PC Remote access and control function is available via USB interface.
- Provide data simulation software to process, generate and print report.
- Integrated with 8GB internal memory and can store more than 80000 groups of traces.

## Main Functions

- Automatic Measurement Mode: Operators don't need to choose the test distance and pulse width, the tester will automatically judge the length and choose suitable dynamic range as well as pulse width to complete the work; the storage of event trace can be saved manually or automatically.
- Multiple Wavelengths Measurement Mode: In order to use different wavelengths to execute the loss calculation in one fiber, we can choose duplex wavelengths test mode from parameter settings, the tester will switch wavelengths automatically.
- Multiple Trace Analysis: Simultaneously display 4 traces, operators can compare the traces and make analysis of any ones among the traces.
- Duplex Operation Mode: Pure operation via touch screen or pure operation via the pressing keys.

## Typical Events

- Precision judgment of fiber faults; splicing posit and connector terminal
- Precision measurement of test distance and the fiber loss
- Contracted design style, lively graphical interface, easy operation and easy analysis of various events
- Measure the length of whole fiber; length between two points, as well as the distance, loss and attenuation coefficient etc.
- Detailed description of fiber loss distribution curve and the events

## SPECIFICATIONS

Test Parameters			
Sub Model	TC-280A	TC-280B	TC-280C
Fiber Type	Single Mode Fiber	Single Mode Fiber	Multimode Fiber
Wavelength	1310nm/1550nm	1310nm/1550nm	850nm/1300nm
Dynamic Range	30/28dB	32/30dB	19/21dB
Pulse Width	5ns/10ns/20ns/50ns/100ns 500ns/1μs/2μs/5μs/10μs		5ns/10ns/20ns/50ns 100ns/500ns/1μs
Testing Distance	1.3km/2.5km/5.0km/10km 20km/40km/80km/120km		100m/400m/1.3km/2.5km 5km/10km/20km/40km/80km
Sampling Resolution	Minimum 0.05m		
Sampling Point	Maximum 128,000 points		
Linearity	≤0.05dB/dB		
Loss Threshold	0.01dB		
Loss Resolution	0.001dB		
Distance Resolution	0.01m		
Scale Indication	X axis: 4m~70m/div; Y axis: 0.09dB/div		
Distance Accuracy	±(1m+measuring distance×3×10+sampling resolution)		
Refractivity Setting	1.2000~1.5999, 0.0001 step		
VFL Module			
Visual Fault Locator	650nm; 10mw CLASS III B; 12km range; CW/2HZ mode		
General Parameters			
Display	5.6 inch TFT Touch LCD		
Battery	7.4V/4.4Ah lithium battery		
	Continuously work 8 hours Charging time 4 hours		
Data Storage	80000 groups of Trace		
Interface	3×USB port (USB×2, Mini-USB×1)		
Working Temp.	-10... 50°C		
Storage Temp.	-20... 70°C		
Humidity	≤95% (non-condensation)		
Dimension (mm)	253×168×73.5		
Weight (kg)	1.5(battery included)		
Packaging List	OTDR, charger, strap, SC/ST/FC connector, USB cable, carrying bag, cleaning cotton, CD (with software and user manual)		



## Compared With EXFO OTDR

### 10 km test



### 5 km test



### 1.45 km test



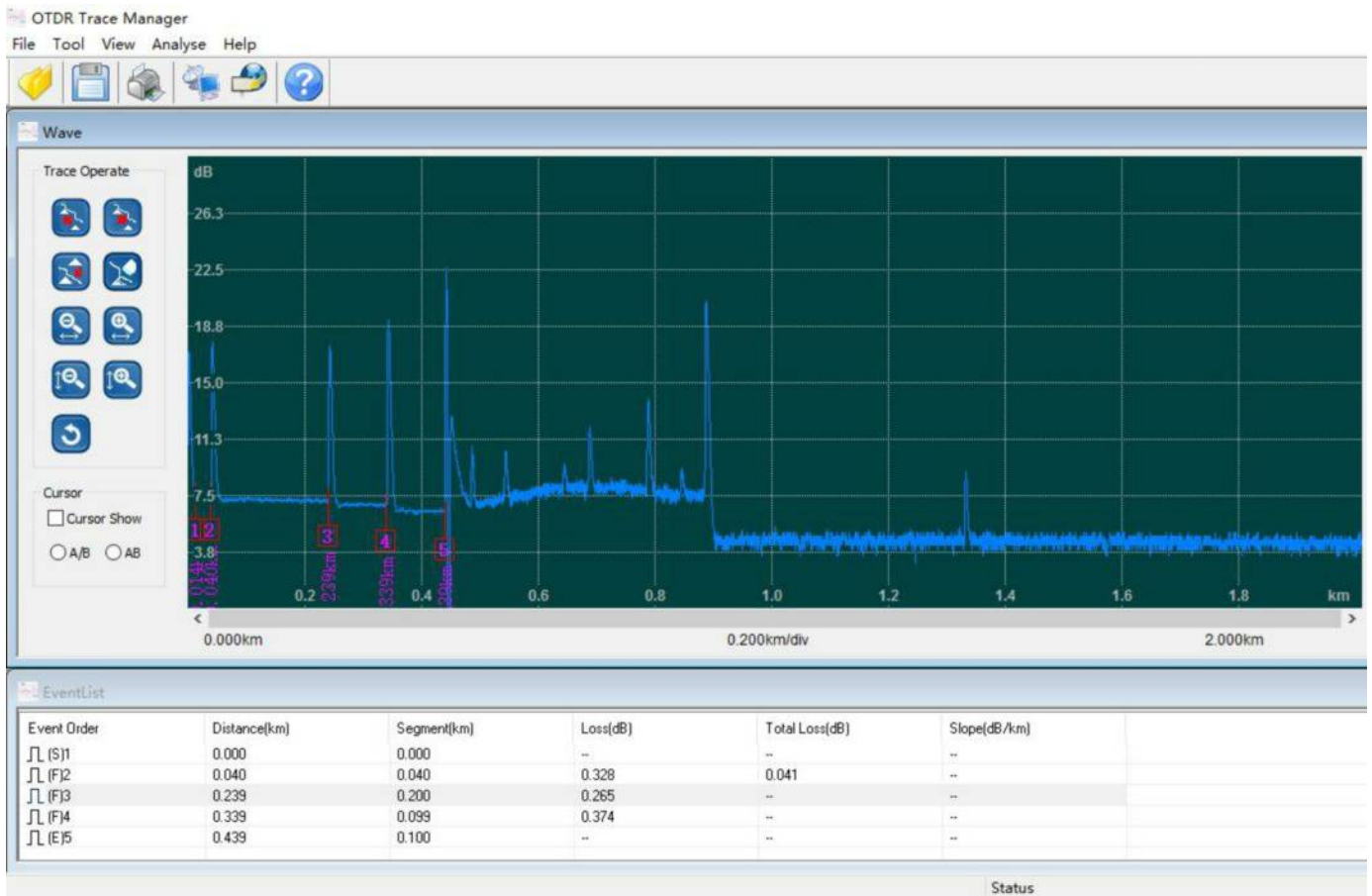
### 2 km test



## Packaging



## Management Software



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