



## TMO300 OTDR

### Optical Time Domain Reflectometer

One-key Auto Test

4.4Ah Li-ion Battery

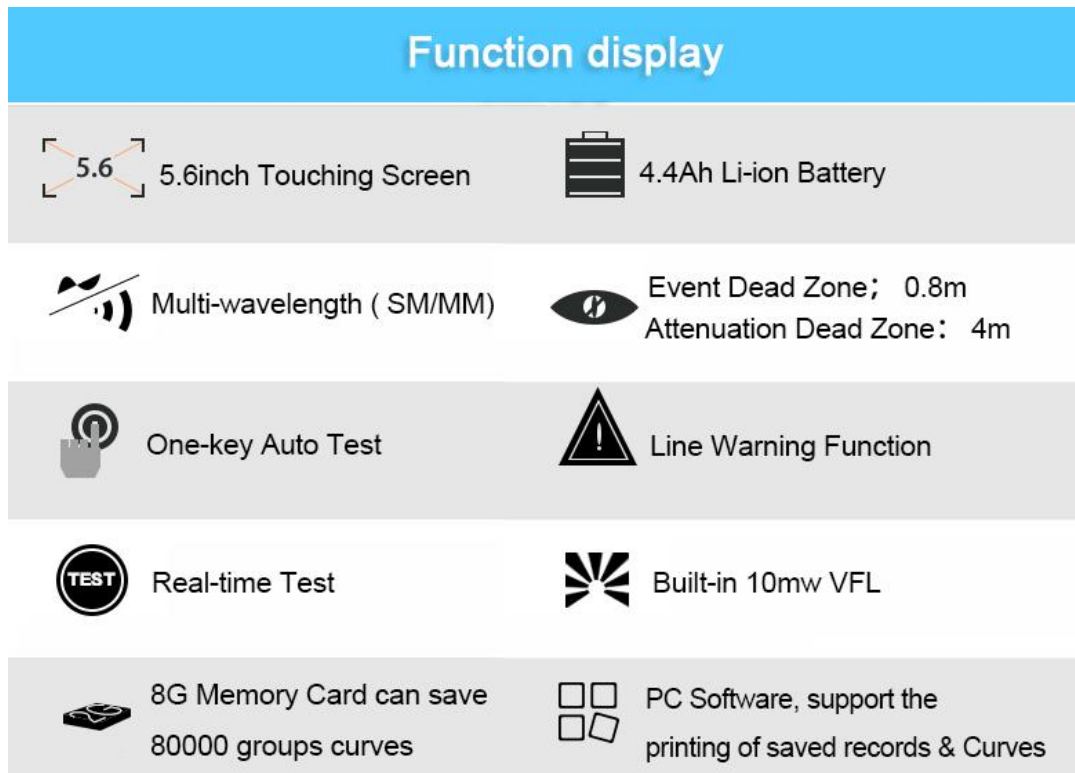


- ◆ 100-120km Accurately Testing
- ◆ 1310/1550nm or 850/1300nm
- ◆ Multi Language: Chinese/English/Spanish



# Features

---

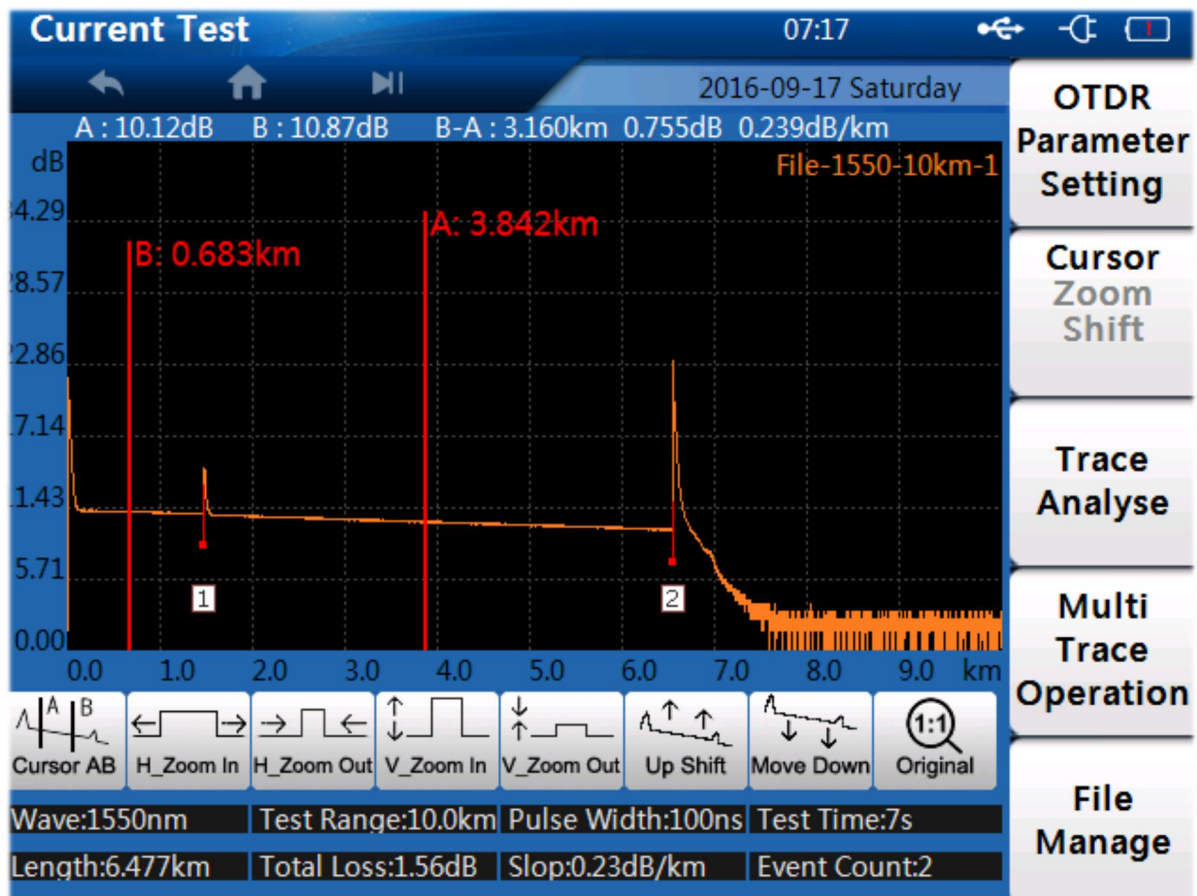


- 5.6-Inch outdoor-enhanced touchscreen, 7.4V/4.4Ah Lithium battery
- Event Dead zone as low as 1.5meter
- Combined multi-dynamic range and wavelengths
- Multi measurement mode, support Touching LCD and pressing keys
- Warning function could prevent OTDR module from being damaged by optical signal in fiber.
- Realtime measuring function, convenient to monitor the splicing process
- Integrated 10mw Visual Fault Locator
- Support English/ Chinese input, adopts friendly input interface, totally simulate the computer keyboard input
- Integrated with 8GB internal memory, more than 80,000 groups curve storage
- PC remote access and control function is available, which support the printing work of the measurement report

# Specifications

Pulse Width	(SM 1310/1550NM) 5ns 10ns 20ns 50ns 100ns 500ns 1μs 2μs 5μs 10μs : (MM 850/1300NM) 5ns, 10ns, 20ns, 50ns, 100ns, 500ns, 1us
Distance Range	(SM 1310/1550NM) Dead zone test, 1.3km, 2.5km, 5.0km, 10km, 20km, 40km, 80km, 120km, (MM 850/1300NM):100m, 400m, 1.3km, 2.5km, 5km, 10km, 20km, 40km, 80km
Sampling Resolution	Minimum 0.05m
Sampling Point	128,000
Linearity	≤0.05dB/dB
Loss Threshold	0.01dB
Loss Resolution	0.001dB
Distance Resolution	0.01m
Distance Accuracy	± (1m+measuring distance×3×10 <sup>-5</sup> +sampling resolution)
Data Storage	80000 groups of curve
VFL	10mW, CW/2Hz
Interface	3 USB ports (Type A×2, Type B×1)
Display	5.6 inch TFT-LCD, Touching screen
Battery	7.4V/4.4Ah lithium battery , support 8 hours continuous working
Working conditions	Working Temp: -10℃~+50℃; Storage Temp: -20℃~+70℃; Humidity : ≤95% (non-dew)
Dimensions/Weight	253×168×73.5mm / 1.5kg (include battery)
Packing list	Straps; Adaptor; Lithium battery; FC connector; USD Cable; User Guide; CD; softbag; cleaning cotton

# Test curve of 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

# Functions

---

- **Automatic Measurement Mode:** Operators do not 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 saves manually or automatically which will be convenient for data analysis
- **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:** Simultaneous display 4 traces, operators can compare the traces and make analysis of any ones among the traces
- **Online Test:** This will protect the test instruments and equipment
- **Duplex Operation Mode:** Pure operation through touch screen ; or pure operation through the pressing keys
- **Data Analysis:**
  - ❖ Save and generator standard trace file(. Sor), more than 20000 groups storage capacity:
  - ❖ Print the analysis report and traces which make the acceptance or work easily;

# Ordering Information

---

Type	Testing wavelength	Dynamic range	Event/Attenuation dead-zone
TMO300-SM	1310/1550nm	32/30dB	0.8/4m
TMO300-MM	850/1300nm	19/21dB	1.2/8m



# Detailed Pictures



01



5.6 inch Touching Screen

Accuracy Convenient Fast

02

Touching screen and  
Pressing keys

Rubber outershell  
Support dual operation mode



03



VFL

Visual Fault Locator (10mw)

**Packing List**



FC SC Adaptor



CD



Clean Wipes



USB Cable



Charger



Calibration Sheet



Touching Pen



Softcase



Carton