## MT-7610A

## OPTICAL TIME DOMAIN REFLECTOMETER

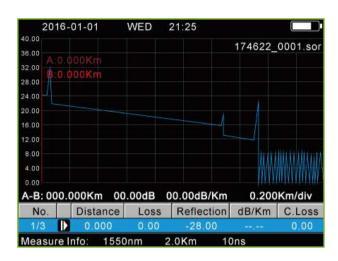
MT-7610 is an advanced diagnostic tool for optical fibers to help engineers quickly troubleshoot problems, allowing them to visually locate reflective events like connections and fiber breaks and non-reflective events like splices and tight bends by studying the graphical trace.



- Palm design, small, lightweight, easy to carry.
- High contrast 3.5 inch color TFT LCD.
- Detect short dead zone event accurately.
- High speed signal processing, short test time and fast analysis.
- USB port connect to PC for software update and data output.
- User-friendly OTDR simulation software shows details of events.
- Built-in visual fault locator function.
- Comes with rechargeable lithium polymer battery, support max 8 working hours.

Picture for reference only. Please check with distributor for exact offers. All specifications are subject to change without notice





## **Measurement Interface**

- There are 10x10 grid in waveform region, Horizontal grids mean distance, vertical grids mean dB value, As shown in figure, each horizontal grid represents 0.2KM, each vertical grid represents 4dB.
- MT-7610 contains 4GB micro SD card for data storage and also allows to link to PC for records output.

1/6	_				dB/Km	C.Loss
170		0.000	0.00	-51.74	-,	0.00
2/6	<b>±</b> 1	0.940	0.08	-51.74	0.24	0.26
3/6	1	4.301	0.12	-54.67	0.28	1.18
4/6	M	5.589	2,22	-,	-,	-,
5/6	L	18.712	-0.05	-41.03	0.22	4.07
6/6	1	39.809	-,	-46.02	0.21	9.41

## **Event list**



**Reflection event** 

**Attenuation event** 

**Merged event** 

**Gain event** 

**Optic fiber ending** 



For charging Lithium battery



USB port and Mirco SD card for software update and data output



Accessories



Adjustable back tilt device with hook-up

Model no.	MT-7610A		
Optical fiber type	SM optical fiber		
Dynamic range	24dB(1310nm) / 22dB(1550nm)		
Wavelength	1310nm±20nm, 1550nm±20nm		
Optical fiber connector	FC/PC, (SC/PC \ ST/PC Optional)		
Display	3.5 inch color LCD		
Display resolution	320x240		
Measuring distance (km)	0.37~80		
Distance uncertainty (m)	±(0.8+0.005%*distance+Sampling resolution)		
Pluse width	10ns~10us		
Measurement time	5s~180s		
Attenuation blind area	15m(@minimum plus width)		
Event blind area	3m(@minimum plus width)		
Loss threshold (db)	0.05dB		
Loss resolution (db)	0.01dB		
Sampling resolution (m)	0.4 to 1.6		
Sampling points	Up to 70866		
Typical real-time refresh (hz)	2		
Data storage	Micro SD card(4GB), support 16GB, 25000records		
Communication connector	Mini USB		
VFL power	1mW(650nm±10nm)		
Power source	Rechargeable lithium polymer battery 7.4v 3100mAh		
Battery working time	standby>15hours, continuous measuring>8 hours		
Adaptor	Input AC 100~240 50/60Hz; Output: DC10.5V/1.9A		
Auto power off	Y		
Low battery warning	Indication for low battery energy		
Operation voice prompts	N		
Back light	Y		
Operation temperature	0~+50°C; <90%RH		
Storage temperature	-20~+70°C; <90%RH		
Size	195mm×110mm×60mm / 7.7"x4.3"x2.4"		
Weight	600g		
Package	Color box		

The sampling resolution is as follows:

- 30km below (including 30km) sampling resolution is 0.4m
- 30~60km (including 60km) sampling resolution is 0.8m
- above 60km sampling resolution is 1.6m

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