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.

	-01-01	WED	21:25		
40.00				174622_	0001.sor
A:0.					
28.00	000Km				
24.00					
20.00					
16.00					
12.00					
8.00				11.11	ANNA A A ANA ANA ANA ANA ANA ANA ANA AN
4.00				NV V	WINNYYYYW
	A-B: 000.000Km 00.00dB 00.00dB/Km 0.200Km/div				
No.	Distan	ce Los	s Reflec	tion dB/Km	C.Loss

0.000 0		Event List					
1550nm	No.		Dis.	Loss	Ref.	dB/Km	C.Loss
	1/6	Þ	0.000	0.00	-51.74		0.00
	2/6	±π	0.940	0.08	-51.74	0.24	0.26
	3/6	-L	4.301	0.12	-54.67	0.28	1.18
	4/6	м	5.589		-,		
	5/6	₽	18.712	-0.05	-41.03	0.22	4.07
	6/6	4	39.809		-46.02	0.21	9.41

Press key ENTER to locate the corresponding event.



FEATURES:

1/3 Deasure Info

- Automatic one-button testing, wavelength support 1310, 1550nm.
- 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

Phone: 804-561-2610 Fax: 804-561-2642 Web Site: www.eclipsetools.com

Eclipse Enterprises, Inc. 13302 Chula Road, Amelia Court House, VA 23002

2016-	01-01	WED	21:25			
40.00					174622	0001.sor
36.00 A:0.0	00Km					0001.001
32.00	00Km					
28.00						
24.00						
20.00						
16.00						
12.00						
8.00					1111	lititulitutt
4.00					- MAM	MAAAMAAA
0.00					11111	
A-B: 000.0	000Km	00.00dB	00.00dB/	Km	0.200	Km/div
No.	Distanc	e Loss	Reflect	ion	dB/Km	C.Loss
1/3 🜗	0.000	0.00	-28.0	0		0.00
Measure I	nfo: 15	50nm	2.0Km	10	ns	

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.

Event List						
No.		Dis.	Loss	Ref.	dB/Km	C.Loss
1/6	₽	0.000	0.00	-51.74		0.00
2/6	≁ ∩	0.940	0.08	-51.74	0.24	0.26
3/6	-L	4.301	0.12	-54.67	0.28	1.18
4/6	м	5.589	-,	-,	-,	
5/6	∟∟	18.712	-0.05	-41.03	0.22	4.07
6/6	 	39.809		-46.02	0.21	9.41
Press	Press key ENTER to locate the corresponding event.					

Event list

- - **Optic fiber start**
- ←п **Reflection event**
- **Attenuation event**
- \mathbb{N} **Merged event**
- **Gain event**
- Optic fiber ending



For charging Lithium battery



Accessories



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



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	5s~180s 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			
weight	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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