

**Product Name : SNET Multifunction Mini-OTDR**



## **SNET Mini-Pro OTDR**

**SNET Multifunction Mini-OTDR is apply to FTTx and access network construction and maintenance, to test fiber breakpoint , length, loss and input light automatic detection, automatic test by one key. The tester is compact with 3.5inch colorful LCD screen, new plastic shell design, shock-proof and drop-proof. The tester also combine 8 functions with highly integrated OTDR, Event maps, Stable Light source , Optical power meter, Visual fault locator , cable sequence proofreading, cable length measurement and lighting functions. It could quick detection of breakpoint, universal connector, .600 internal storage, TF card, USB data storage and built-in 4000mAh lithium battery, USB charging .It is a good choice for long term field work .**



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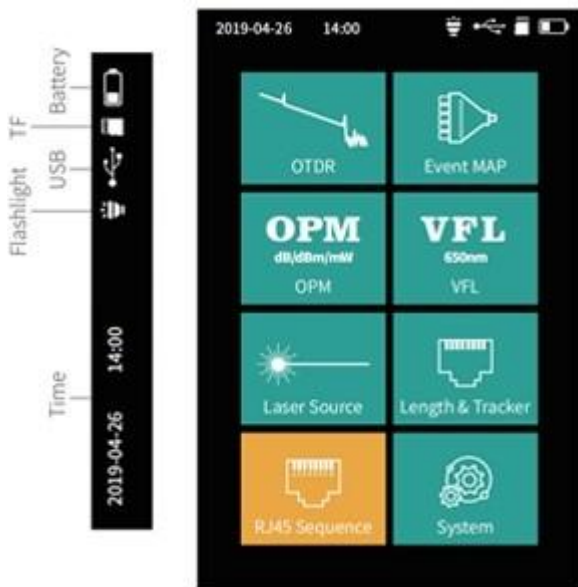
**Multi-fuction tester  
Built-in OTDR/VFL/  
OPM/OLS/RJ45 test**

OTDR:5M-60KM ; VFL:10mW  
OPM:-50~+26dBm  
OLS:1310/1550nm  
RJ45 Test:300m



**Main Interface**

Turn on and enter the main menu. There are eight functional modules. Select module by pressing the direction keys, and then press the "OK" key to enter the corresponding functional interface.



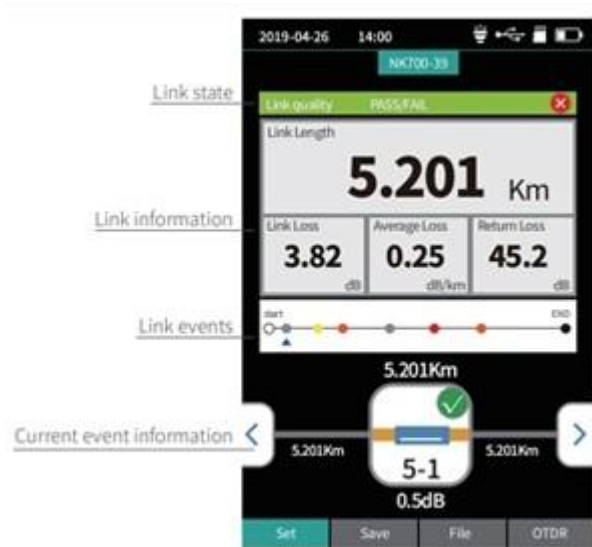
**Mini-Pro OTDR**

Link quality and information can viewed. After the test is completed, Link information includes length, total loss and number of events. Detailed event information can be viewed from the event list.



**iLOM(Event Map)**

The function can be tested automatically by one key, and the information of the length of the link, the type of event point and the position of breakpoint can be displayed in a graphical form. The result is easy, clear and easy to understand.



**OPM**

This function is used to test the power of optical signal and insertion loss of various devices and optoelectronic components. It can identify and measure the frequency of 270/3301k/2kHz frequency optical signal.



**VFL**

Visible red light (650 nm) is injected into the optical fiber, and the position of the optical fiber fault point can be judged conveniently and accurately by observing the leakage position on the measured fiber. It is suitable for the detection of bare optical fibers, jumpers and other high loss sections caused by near-end faults and micro-bending of optical fibers and cables which can leak red light.



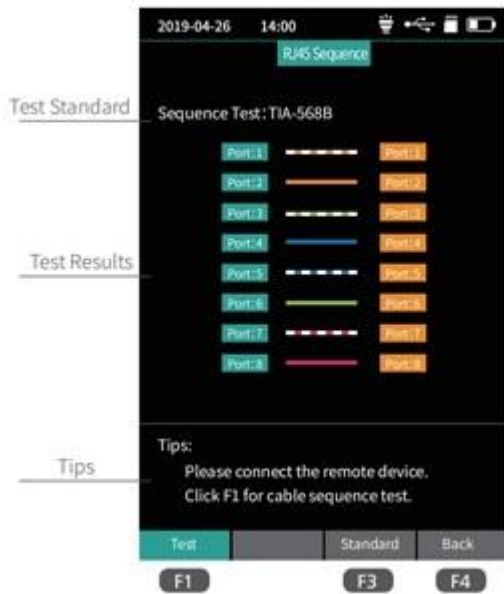
**OLS**

The wavelength of stabilized laser source is the same as OTDR wavelength. It is used to measure the parameters of telecommunication, CATV, LAN cable, insertion loss, isolation loss and echo loss of optical passive devices, and wavelength responsiveness of detectors. There are five modes of light source: CW, 270 Hz, 330 Hz, 1 kHz and 2 kHz.



### RJ45 Sequence

RJ45 line sequence measurement.



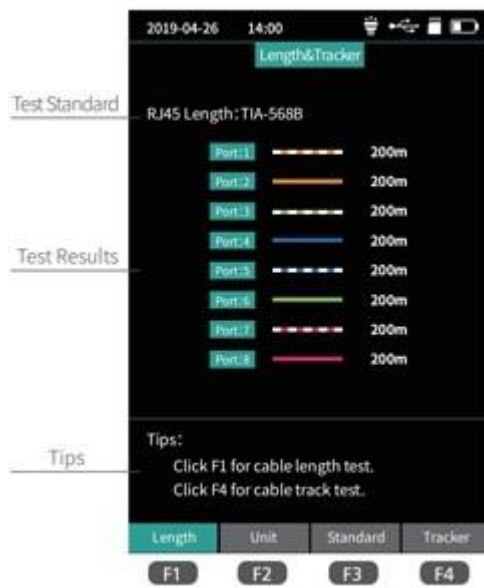
### **RJ45 Line Length & LineTracker**

#### **RJ45 Line tracking**

Used for RJ45 cable length testing and wire

Tracker. After the line-finding function is activated, the cable being searched is touched by the distal end of the line-searching, and the sound of continuous "drops and drops" is heard.

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## System settings

Set up automatic shutdown, backlight brightness time, language, upgrade and other information



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**Top view**

- ① OTDR/LS Port
- ② OPM Port
- ③ VFL Port
- ④ Flashlight

**Left side**

- ① Micro USB
- ② Charging LED Indicator
- ③ TF Card Port

**Right side**

- ① RJ45 Interface
- ② Reset button

**Bottom view**

- ① RJ45 Remote tester

**Main view**

- ① Dust Cover
- ② 3.5 inch Color LCD
- ③ Function Keys

**Technical Specifications**

SNET MULTI FUNTION Mini-OTDR	
Model	SNET-JWMINI-OTDR
Wavelength	1310nm/1550nm±20nm
Fiber Type	G.652 G657 SM Fiber
Dynamic Range	24dB/22dB
Event Blind Zone	3m
ATT Blind Zone	8m
Test Range	500m~60km
Pulse Width	3ns~10us
Ranging Accuracy	± (1m+Sampling Interval +0.005%×Test Distance)
Loss Accuracy	±0.2dB/dB
Sampling Points	16k~128k
Sampling Resolution	0.05m~8m
Reflection Accuracy	±3dB
Data Storage	Internal : ≥600 ; External : TF Card



<b>Laser Safety Level</b>	<b>Class II level</b>	
<b>File Format</b>	<b>SOR Standard File Format</b>	
<b>Connector</b>	<b>FC/UPC (Interchangeable SC、ST)</b>	
<b>OPM</b>		
<b>Wave Range</b>	<b>800nm~1700nm</b>	
<b>Interface Type</b>	<b>Universal Joint FC/SC/ST</b>	
<b>Test Range</b>	<b>-50dBm~+26dBm</b>	
<b>Uncertainty</b>	<b>±5%</b>	
<b>Frequency Identification</b>	<b>CW/270/330/1k/2kHz</b>	
<b>Calibration Wavelength</b>	<b>850/980/1300/1310/1490/1550/1625/1650nm</b>	
<b>LS</b>		
<b>LD Type</b>	<b>FP-LD</b>	
<b>Output Wavelength</b>	<b>1550nm±20nm</b>	<b>1310nm/1550nm±20nm</b>
<b>Output Power</b>	<b>≥-5dBm</b>	
<b>Modulation Frequency</b>	<b>270/330/1k/2kHz</b>	
<b>Stability</b>	<b>CW, ±0.5dB/15min (Test after 15mins of preheating)</b>	
<b>Connector</b>	<b>FC/UPC (Interchangeable SC、ST)</b>	
<b>VFL</b>		
<b>Work Wavelength</b>	<b>650nm±20nm</b>	
<b>Output Power</b>	<b>≥10mW</b>	
<b>Mode</b>	<b>CW/1Hz/2Hz</b>	
<b>Connector</b>	<b>FC/SC/ST</b>	
<b>RJ45 Cable Length Measurement</b>		
<b>Test Range</b>	<b>300m</b>	
<b>Other Parameters</b>		
<b>Display</b>	<b>3.5 inch Color LCD</b>	
<b>Data Interface</b>	<b>Micro USB</b>	
<b>External Storage</b>	<b>TF Card</b>	
<b>Power Supply</b>	<b>Polymer Li-battery : 3.7V, 4000mAh Power Adapter : 5VDC, 2A</b>	
<b>Battery Life</b>	<b>Standby &gt; 20h ; Measuring Time &gt; 12h</b>	
<b>Operating Temperature</b>	<b>-10°C~+50°C</b>	
<b>Storage</b>	<b>-40°C~+70°C</b>	



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Temperature	Test Temperature 25°C±2°C
Relative Humidity	0~95% Non Condensing
Weight	≤350g
Dimension	173mm×82mm×37mm

**Functions :****Orange, OTDR/OPM/LS/VFL/RJ45 Sequence/Flashlight****Note:**

1. Test Temperature 25°C±2°C, Maximum pulse width Average time ≥3min;

2. Test conditions of Event Blind Zone are minimum range, minimum pulse width, reflection loss of optical end ≥45dB, typical value

**Configuration List**

NO	Name	Qty	Remark
1	Host	1	Battery Include
2	Adapter	1	
3	Data Line	1	
4	CD (Analysis software, User Manual)	1	
5	User Manual	1	
6	FC/UPC Connector	1	
7	Calibration Certification	1	
8	Qualification Certificate/Service Guarantee Card	1	
9	Clean Cotton Slices	10	
10	Instrument Bag	1	

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