

# mini OTDR

Precise all-in-one copper & fiber tester, priced to empower every technician & engineer on their job site.



**BOTTOM VIEW**



**TOP VIEW**



## Introducing the Platinum Tools PT-OTDR-100 mini OTDR tester, a powerful, easy-to-use multifunction tester for both twisted pair and fiber optic cables – the essential tester for field technicians and network engineers.

The PT-OTDR-100 provides a variety of cable length, quality and mapping tests, including optical time domain reflectometer (OTDR), continuity, loss, event wiremap, IP and fault testing.

OTDR testing is valuable for fiber infrastructures as it uses short light pulses to measure cable length and locate faults. The PT-OTDR-100 enables saving and exporting test results for performance comparison over time. It also includes a built-in flashlight, a 10mW visual fault locator, an optical power meter, and an optical light source.

### FEATURES

- **OTDR AUTO TESTING**  
Auto-test with event map for quick results
- **OTDR**  
Single-mode 1310nm & 1550nm (26/28dB)  
3m - 105km OTDR test range
- **REPORTING**  
OTDR test results exportable as PDF or SOR
- **MULTI TESTER**  
Includes VFL, OPM & LS
- **RJ45 TESTING**  
Continuity and TDR length measurement  
Active network testing
- **VISUAL FAULT LOCATOR (VFL)**  
10mW 650nm laser
- **OPTICAL POWER METER (OPM)**  
1625, 1550, 1490, 1310, 1300 & 850nm
- **COMPACT FORM FACTOR**  
5.5" OLED touch screen  
Ruggedized design  
Long-lasting battery life
- **LIGHT SOURCE (LS)**  
1310nm & 1550nm



#### MULTI-FUNCTIONAL TESTING

Multiple tests offered for both Fiber and Copper testing.



#### COMPACT FORM FACTOR

Ruggedized form factor with a 4-6hr battery life, or charge on the go!



#### ACTIVE NETWORK TESTING

LLDP, PPPoE, IP Scan, & Ping testing all-in-one.



#### ACCESSIBLE PRICING

Priced to supply every truck and technician.



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for 1550/1310 nm (28/26dB)



## MODELS

<b>PT-OTDR-100</b>	UPC: 849160015635
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## RECOMMENDED ACCESSORIES

<b>Launch Rings</b>	LCR-SA1SA1-SM3-0150M LCR-SA1SA1-SM3-0500M LCR-SA1SA1-SM3-1000M
<b>Launch Boxes</b>	SLB-SA1SA1-SM3-0150M SLB-SA1SA1-SM3-0500M SLB-SA1SA1-SM3-1000M *Additional lengths available
<b>Fiber Cleaners</b>	FC250 FC125
<b>VFL</b>	TVFL100
<b>USB Fiber Inspection Scope</b>	PT-FIS-100

## POWER

<b>External power supply</b>	Type-c 5V (2A)
<b>Battery</b>	Built-in 3.7V 4000mA Li-ion Battery
<b>Rechargeable</b>	After charging 3.5 hours, normal working time 5 hours
<b>Auto off</b>	5-30 (mins)

## OTDR TECHNICAL SPECIFICATIONS

<b>Size &amp; Display</b>	5.55 inch OLED screen display, 1280*720 resolution
<b>Network Port</b>	10/100/1000M auto adapt (optional)
<b>Max Testing Length</b>	Twisted pair TDR: 600m / 1668ft Fiber OTDR: 105km / 65 miles
<b>Network test</b>	IP Scan, PPPOE, port flashing, Ping test (optional)
<b>Linearity (dB/dB)</b>	±0.05 dB/ dB
<b>Wavelength (nm)</b>	1310/1550
<b>Dynamic range(dB)2</b>	28/26
<b>Pulse width (ns)</b>	5, 10, 20, 30, 50, 80, 160, 300, 500, 800, 1000, 2000, 4000, 6000, 10000, 20000
<b>Testing range</b>	≤105 Km
<b>Event blind zone (m)3</b>	≤1.6m
<b>Attenuation blind zone (m)3</b>	≤8m
<b>Linearity (dB/dB)</b>	±0.05 dB/ dB
<b>Loss threshold (dB)</b>	0.05
<b>Loss resolution ratio (dB)</b>	0.01
<b>Minimum distance resolution</b>	0.05
<b>Sampling point (K)</b>	32-128
<b>Distance uncertainty (m)</b>	±(1 m + 5×10-5× distance + sampling interval)
<b>Distance scope (km)</b>	0.5, 1, 2, 5, 10, 25, 50, 100, 200
<b>Typical real-time refreshing duration</b>	1s
<b>File format</b>	SOR standard format/PDF/EXCEL
<b>Measurement duration</b>	5sec, 10sec, 15sec, 30sec, 1min, 2min, and 3min are selectable
<b>Storage</b>	FLASH (EMMC)8G + TF card
<b>Interface type</b>	SC-UPC

## WORKING ENVIRONMENT

<b>Working Temperature</b>	-10°C ----+50°C (14°F ----122°F)
<b>Working Humidity</b>	30%-90%
<b>Dimension/Weight</b>	183mm x 110mm x 36.5mm / 0.45Kg 7.20in x 4.33in x 1.43in / 1lb

