mini OTDR

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

PLATINUM TOOLS®

BOTTOM VIEW

TOP VIEW

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

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.

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.

mini OTDR
for 1550/1310 nm (28/26dB)

PLATINUM TOOLS®

MODELS

PT-OTDR-100	UPC: 849160015635

RECOMMENDED ACCESSORIES

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

POWER

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

OTDR TECHNICAL SPECIFICATIONS

Size & Display	5.55 inch OLED screen display, 1280*720 resolution
Network Port	10/100/1000M auto adapt (optional)
Max Testing Length	Twisted pair TDR: 600m / 1668ft Fiber OTDR: 105km / 65 miles
Network test	IP Scan, PPPOE, port flashing, Ping test (optional)
Linearity (dB/dB)	±0.05 dB/ dB
Wavelength (nm)	1310/1550
Dynamic range(dB)2	28/26
Pulse width (ns)	5, 10, 20, 30, 50, 80, 160, 300, 500, 800, 1000, 2000, 4000, 6000, 10000, 20000
Testing range	≤105 Km
Event blind zone (m)3	≤1.6m
Attenuation blind zone (m)3	≤8m
Linearity (dB/dB)	±0.05 dB/ dB
Loss threshold (dB)	0.05
Loss resolution ratio (dB)	0.01
Minimum distance resolution	0.05
Sampling point (K)	32-128
Distance uncertainty (m)	$\pm(1\,m + 5\times10\text{-}5\times$ distance + sampling interval)
Distance scope (km)	0.5, 1, 2, 5, 10, 25, 50, 100, 200
Typical real-time refreshing duration	1s
File format	SOR standard format/PDF/EXCEL
Measurement duration	5sec, 10sec, 15sec, 30sec, 1min, 2min, and 3min are selectable
Storage	FLASH (EMMC)8G + TF card
Interface type	SC-UPC

WORKING ENVIRONMENT

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