COMPANICS
Communication & Electronics LTD

כומפניקס תקשורת ואלקטרוניקה בע"מ
הבורסקאי 1 א.ת. סגולה, פ"ת | ספק מ. הביטחון: 83524121 | ח.פ: 512109968
03-9049004 טל' / | www.companics.co.il | sales@companics.co.il

Model Number: 06027
Multi-functional OTDR and measuring instrument

Description:



לצפייה באתר לחץ כאן

Multi-function MOT-73 OTDR series is an essential tool for fiber length and network testing. OTDR displays the power of the returned signal related to distance. The information can be used to confirm the transmission quality of a fiber optic link. It is widely used in the maintenance, construction and monitoring of cable line. It can measure the optical fiber length, transmission attenuation of optical fiber, attenuation of splice, and failure location, etc. If taking the all in one OTDR, it will make working conditions safer and increasing productivity.

- Fiber length testing and Event Map etc
- PING Test, IP scan, port flashing,etc
- Network cabling project installation and maintenance

Feature:

- 7 inch IPS touch screen, 1280*800 resolutions
- 1310/1550/1610 wavelength optional, 26/28/30/32/34dB Dynamic range optional, max test range 150KM*
- Stable laser source, support CW/270/330/1000/2000Hz
- Test fiber's length, loss, attenuation parameters and event map, locate connection point/ fusion point
- Automatic analysis of various linkers/fusion points, easy analyze of various events
- Save and view the testing curves, support zoom and move curves, view details
- Support saving curves number <30000pcs
- Support create testing report, curve trajectory graphs, parameter settings, fiber event information, and fiber link information
- Report saved as EXCEL, PDF, or screenshots format etc
- Optical Loss test, detect the optical or optical components loss value .It is a key basic function for confirming the optic fiber installation condition and fault status. Light source shares with OTDR ports outputs laser light.
- Visual Fault Locator, it Outputs red light for checking continuity of launch fibers or short patch cord. Breaks and bending in fiber can be identified visually.
- Stable Laser Source, it shares OTDR optical port and work on the same working wavelength of OTDR, the output power can be adjustable for different testing applications. With modulated light at 270Hz/330Hz/1 kHz/2kHz, it can be used for fiber identification or continuity check purpose on a live fiber network.

• Optical power meter with five wavelength 1625nm,1550nm, 1490nm, 1310nm,1300nm, 850nm, linear or nonlinear optical power display, both for optical power testing and Fiber link loss relative measurement.

Cable test:

- Improvement cable tester, UTP cable, telephone cable etc sequence and continuity test, save testing report. Support detect the near-end, mid-end and far-end fault point of the RJ45 cable plug
- Upgraded RJ45 cable TDR test, support cable's open and short testing, max test 180m
- Cable tracer, search BNC cable, network cable and telephone cable from the mess cables
- Cable length, BNC cable, network cable, telephone cable, RVV cable, elevator cable, and cat 5/6 cable's length test. Max measurement for cable's open is 3KM* (Short circuit length test not supported) *

POE Test:

PD Test The tester receives the power(POE 802.3at), power supply voltage detection
PSE Test The tester supplies the power(POE 802.3at)25.5W, PD actual power detection

- Tester Play: Tester, android version mobile phone and PC display at the same time
- Shortcut button, drop-down menu, can select Poe power, IP setting, CVBS, LAN info, HDMI IN etc
- Traffic monitoring, display network port or WIFI connection real-time upload and download speeds and other network parameters
- Self -update software, you can install apps with android version
- Network tool: Ping, IP scan, Port Flash, DHCP server, Trace Route
- Quick office, quick office app (support excel, word, ppt format) doc. editable
- 8GB SD card including
- Display its genuine resolution of the IP camera images
- Audio in, support record and save the audio/LED lamp, calculators, music players and other application tools
- 7.6V/7800mAh Li- battery,4 hours fast charging working ,lasts for 16 hours

Specifications:

Item	Multi-functional OTDR and measuring instrument						
Model	**06027**						
Wavelength (nm) Optional *	1310/1550				1610		
Only support detects optical signal	Support				N/A		
Support Active fiber testing	N/A				Support		
Dynamic range(dB)2 Optional*	28/26	30/28	32/30	34/34	28	30	32
Pulse width (ns)	5,10,20,30,50,80,160,300,500,800,1000,2000,4000,6000,10000, 20000						
Testing range	±150 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)	±(1 m + 5×10-5× 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	FC-PC,SC-PC						
Size & Display	7 inch IPS touch screen ,1280*800 resolution						

Item	Multi-functional OTDR and measuring instrument	
Model	06027	
Network Port	Dual 1000M LAN port, 10/100/1000M auto adapt	
WIFI	Built in 2.4G WIFI, speeds150M	
Power output	5V 2A power output, as power bank	
PoE detection	Display the standard PoE or Non-standard PoE, PoE voltage and cable connection status	
UTP cable test	Test UTP cable connection status and display on the screen. Read the number on the screen. detect the near-end, mid-end and far-end fault point of RJ45 cable connector, can test shield cable	
RJ45 TDR cable test	Support cable's open and short testing, max 180m	
Data monitor	Captures and analyzes the command data from controlling device, also can send hexadecimal	
Network test	Trace route, Link monitor, DHCP server, port flashing, Ping test	
Digital Cable tracer	Search BNC cable, network cable and telephone cable from the mess cables. Cable tracer and UTP cable test app in the same interface, also can search shield cable	
Electroscope	Voltage range	AC12-1000V
	Frequency	50/60Hz
	Alarm type	Sounds and light double alarms
	Level	CAT.III 1000V / CAT.IV 600V;CE
Visual fault locator	10mW visual fault locator with 650nm wavelength, emit red laser sources to test multi-mode and single mode fiber's bending and breakage, test range 8KM	
Optical power meter	Wavelength:1625,1550nm,1490nm,1310nm,1300nm,850 nm, measurement range ,-70 ~ +10 dBm, for optical power testing and Fiber link loss relative measurement	
Laser source parameter		
Laser type	FP-LD	
Output wavelength	1310/1550	1610
Output power	-5dBm~0dBm	
Frequency	270Hz/330Hz/1kHz/2kHz	
Stability	CW · ±0.2dB/15min (Test after boot for 15min)	

Item	Multi-functional OTDR and measuring instrument
Model	06027
Power	
External power supply	DC 12V（2A）
Battery	Built-in 7.4V Li-ion battery, 7800mAh
Rechargeable	After charging 4 hours, normal working time 11 hours
Parameter	
Operation setting	OSD menu, select your desired language: English, Portuguese, Korean, Russian, Italian, French, Polish, Spanish, Japanese, Turkish, Deutsch, Serbian, Czech, Vietnamese etc
Auto off	5-30 (mins)
Working environment	
Working Temperature	-10℃---+50℃
Working Humidity	30%-90%
Dimension/Weight	203mmX141mmX46mm / 0.92Kg

Packing kits:



MOT-73



Packing box



Tool bag



OTDR test report



Li-ion battery



RJ45 to BNC connector



BNC alligator clip cable



Charger



Cable tracer



Safety cord



SC,FC,ST connector