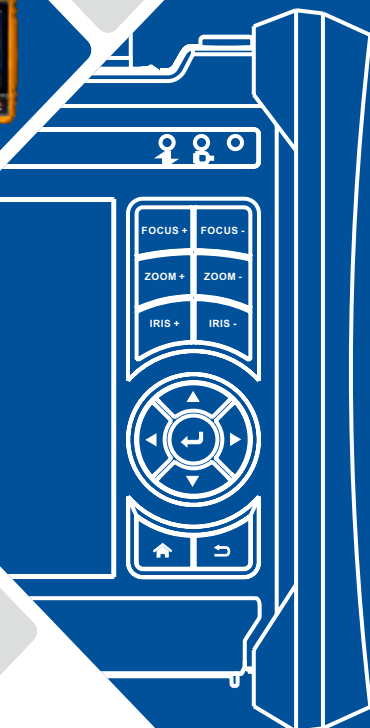


Multi-function OTDR

Cable test/Network test/
TVI CVI AHD IP Analog
camera test

WANGLU®

Guangzhou Wanglu Technology Co.,Ltd



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GUANGZHOU WANGLU TECHNOLOGY CO., LTD



- Founded in 2003, Guangzhou Wanglu Technology Co., Ltd is a high-tech company specialized in the developing, manufacturing and sales of CCTV tester, EX-SDI, HD-SDI, 4K, H.265, TVI, CVI, AHD, IP and analog camera tester, fiber tester, cable tester and OTDR products. We insist on opening cooperation, focusing on high quality and improving innovative ability.
- All our products have got CE, FCC, RoHS certifications. They have been approved by plenty of customers whom from around the world like America, Europe, Middle East, Asia and Australia.
- "Innovation, integrity, professionalism, aggressive" is our business philosophy. We will supply high quality products, excellent service and good reputation with customers for a better future. We sincerely welcome you contact with us and do the mutual benefit business with each other in the near future!



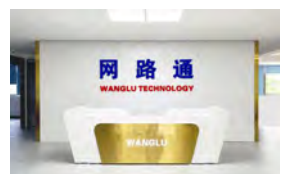
Factory Introduction



R&D department



Marketing department



Reception



SMT Patch Line



Finished product area



Workshop

PON OTDR



The PON OTDR series is mainly used to measure the length, breakpoint, loss, and fusion quality, etc parameters of optical fiber cables. It is widely used in the construction and maintenance of optical fiber communication systems, and is mainly applied in urban trunk lines, backbone networks, and metropolitan area networks.

To accommodate more diverse tests, this series has two wavelength modes to choose from.

1310/1550nm + 1625nm

1310/1550nm + 1650nm

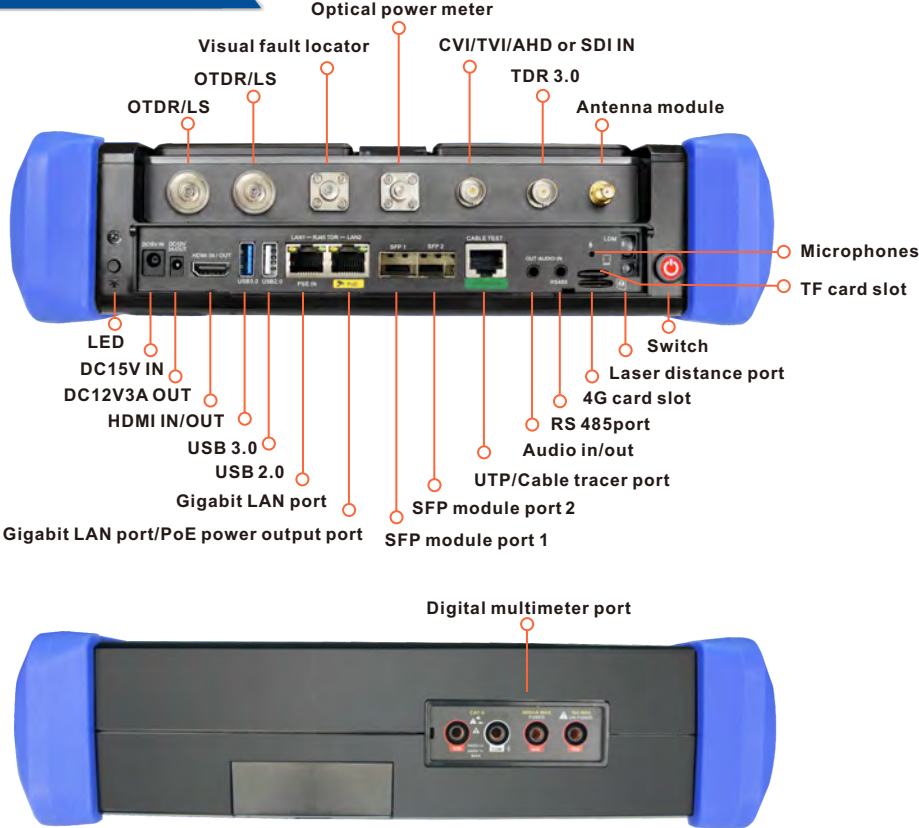


Wavelength Division Multiplexing Power Meter

Support simultaneous measurement of power at 1490nm and 1577nm wavelengths downstream of EPON/XGPON networks, and display the respective power values of the two wavelengths on the same screen, accurately determining whether the optical power values of the two wavelengths meet the standards.



Interface



Protective cover



Multi-function OTDR is an essential tool for fiber length, network and camera 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. as well, built in camera tester for maintenance and installation of IP analog, HD coaxial cameras as well as other security equipment. If taking the all in one OTDR, making working conditions safer and increasing productivity.



OTDR test



Optical signal
detection



Stable laser source



Loss test



8K H.265



Visual fault locator



Up to 150KM



RJ45 Cable
TDR test



Wi-Fi Analyzer



Advanced
network tool



UTP cable test



PoE power

Support Optical signal test

High isolation filtering technology

Support < 5dBm optical signal test



Event list	Fiber chain	AB Ruler	Parameter	Trace info	Quick Setup	Quick save
Laser wavelength:	1550 nm		IOR:		1.4685	
Range:	100000.0 m		Non reflection threshold:		Auto	
Pulse range:	6000 ns		Reflection threshold:		Auto	
Measurement	2 s		End threshold:		0.0	



Multifunction OTDR

Max test range **150km**

Wavelength and dynamic range are optional

Wavelength (Optional)

1310/1550/1610/1625 nm

Dynamic range (Optional)

26/28/30/32/34 dB



Internet remote control

Easily solve remote office and training

Simultaneously take into account multiple computer room tests, greatly improving efficiency

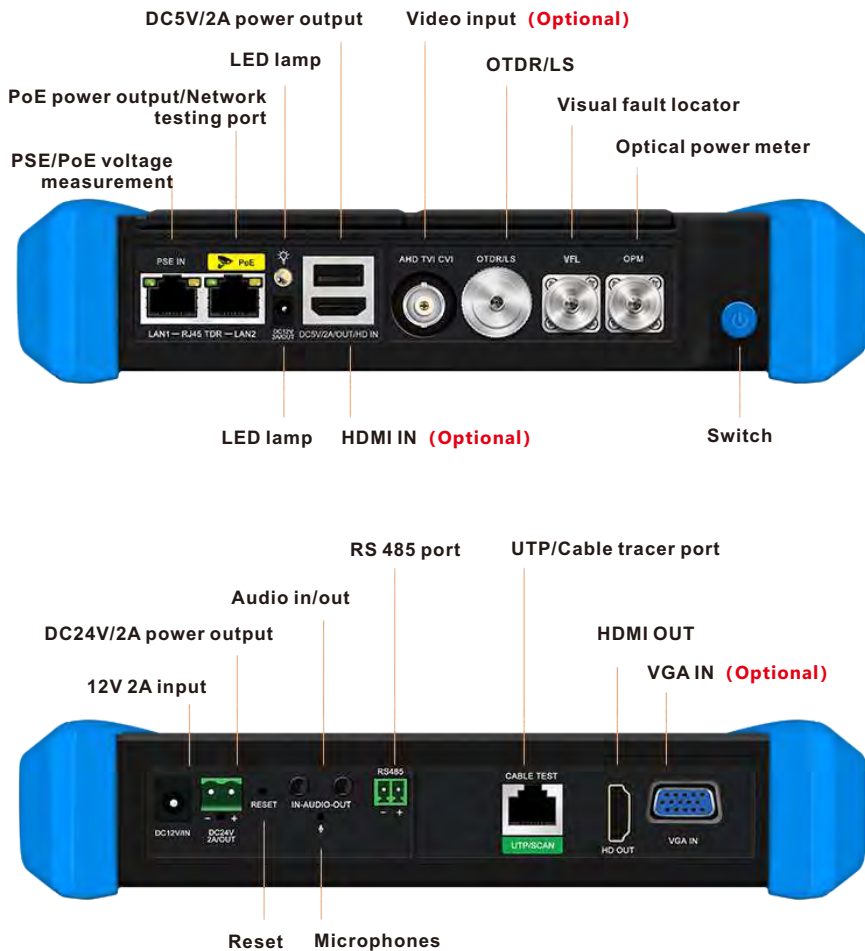
Outdoor camera



Office



Interface



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MT-5500

- ▶ 5.4 inch touch screen
- ▶ **4K IP** camera testing
- ▶ Wi-Fi Analyzer
- ▶ 4 K TVI CVI AHD cameras testing
- ▶ 26/28/30/32/34dB Dynamic range, max test range 150KM

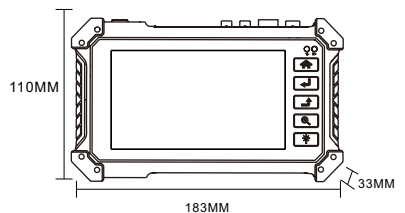


Features

- 5.4 inch touch screen, 1920x1152 resolution
- Stable laser source, loss test, OPM and VFL etc
- OTDR 3m-150km, 26/28/30/32/34 dB Dynamic range **Optional**
- 1310/1550/1610 nm **Optional**
- 4 core CPU, support online update
- 12V 3A/5V1A power output
- Interface type: SC-UPC
- Cable opens and shorts test, max measurement 180M
- Internal storage + external TF card, support copy data through U disk
- 7.4V 3350mAh Li-ion Battery, 3.3 hours charging, working time lasts 6 hours

Basic Parameters

Screen	5.4inch IPS touch screen, 1920x1152 resolution
Interface type	SC-UPC
Wavelength	1310/1550/1610 nm
Dynamic range	26/28/30/32/34 dB
Hardware decoding	Up to 4K decoding
Battery	Built-in 7.4V 3350mAh Li-ion Battery
Rechargeable	Full charging 3.3 hours, normal working 6 hours
Working environment	Temperature: -10 °C - +50 °C Humidity: 30% - 90%



MT-6500

- ▶ 5.4 inch IPS touch screen
- ▶ **4K IP** camera testing
- ▶ Wi-Fi Analyzer
- ▶ 4K TVI CVI AHD cameras testing
- ▶ 26/28/30/32/34dB Dynamic range, max test range 150KM

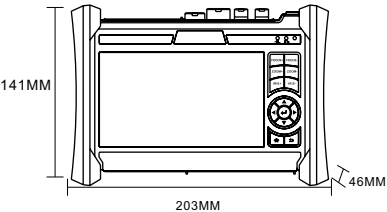


Features

- 5.4 inch IPS touch screen, 1920x1152 resolutions
- OTDR 3m-150km, 26/28/30/32/34 dB Dynamic range **Optional**
- 1310/1550/1610 nm **Optional**
- Stable laser source, loss test, OPM and VFL etc
- 4 CORE CPU, support online update
- Interface type: SC-UPC
- DC24V2A/ 5V2A power output
- 4 K TVI CVI AHD cameras testing **Optional**
- HDMI input and VGA input **Optional**
- 4k IP camera testing
- PoE power supply and PoE switch power supply protocol detection
- Cable opens and shorts test, max measurement 600M
- Internal storage + external TF card, support copy data through U disk
- 7.4V 5200mAh Li-ion Battery, 2.5 hours faster charging, working time lasts 11 hours

Basic Parameters

Screen	5.4inch IPS touch screen, 1920x1152 resolution
Interface type	SC-UPC
Wavelength	1310/1550/1610 nm
Dynamic range	26/28/30/32/34 dB
Hardware decoding	Up to 4K decoding
Battery	Built-in 7.4V 5200mAh Li-ion Battery
Rechargeable	Full charging 2.5 hours, normal working 11 hours
Working environment	Temperature: - 10 °C - +50 °C Humidity: 30% - 90%



MT-6800

- ▶ 5.4 inch IPS touch screen
- ▶ **8K H.265 IP** camera testing
- ▶ Wi-Fi Analyzer
- ▶ 4K TVI CVI AHD cameras testing
- ▶ 26/28/30/32/34dB Dynamic range, max testing range 150KM

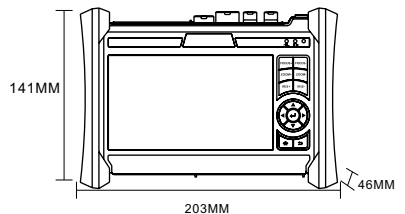


Features

- 5.4 inch IPS touch screen, 1920x1152 resolutions
- Stable laser source, loss test, OPM and VFL etc
- OTDR 3m-150km, 26/28/30/32/34 dB Dynamic range **Optional**
- 1310/1550/1610 nm **Optional**
- 4 CORE CPU, support online update
- Interface type: FC/SC-UPC
- DC24V2A/ 5V2A power output
- 4K TVI CVI AHD cameras testing **Optional**
- HDMI input and VGA input **Optional**
- 8k IP camera testing
- PoE power supply and PoE switch power supply protocol detection
- Cable opens and shorts test, max measurement 600M
- Internal storage + external TF card, support copy data through U disk
- 7.4V 5200mAh Li-ion Battery, 2.5 hours faster charging, working time lasts 11 hours

Basic Parameters

Screen	5.4inch IPS touch screen, 1920x1152 resolution
Interface type	FC/SC-UPC
Wavelength	1310/1550/1610 nm
Dynamic range	26/28/30/32/34 dB
Hardware decoding	Up to 8K decoding
Battery	Built-in 7.4V 5200mAh Li-ion Battery
Rechargeable	Full charging 2.5 hours, normal working 11 hours
Working environment	Temperature: -10 °C - +50 °C Humidity: 30% - 90%



MT-7300

- ▶ 7 inch IPS touch screen
- ▶ 1310/1550/1610 wavelength
- ▶ Network cable test
- ▶ WIFI Analyzer
- ▶ Cable fault locator
- ▶ **4K IP** camera test
- ▶ Max testing range 150KM

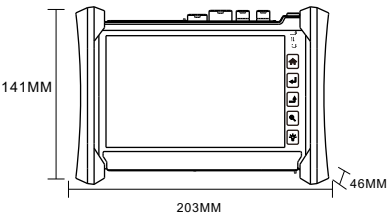


Features

- 7 inch IPS touch screen, 1280x800 resolution
- 1310/1550/1610nm wavelength **Optional**
- Interface type: FC/SC-UPC
- 26/28/30/32/34dB dynamic range **Optional**, max test range 150KM
- OTDR 3m-150km accurate test, auto test, event map etc
- Stable laser source, Loss test, Optical power meter and Visual fault locator
- 4 cores CPU, support online update and APP installation
- Internal storage + TF card, support copy the data through internet and U disk
- Report saved as SOR, PDF, or screenshots format etc
- TesterPlay and remote control, fiber can be tested remotely
- H.265 & H.264 IP, 4K video display via mainstream, analog camera tester
- 8MP TVI CVI AHD camera test **Optional**
- HDMI input & VGA input **Optional**
- PoE switch or PoE power supply voltage test and cable connection status
- DC 24V 2A/DC 12V 3A power output, DC5V 2A as power bank
- Dual 1000M network port, PING Test, IP scan, etc
- Built-in WIFI & WIFI Analyzer
- Innovative RJ45 cable plug detection, cable tracer and UTP cable test at the same time
- RJ45 cable TDR test, test cable pair status, length, attenuation, reflectivity, impedance, delay deviation etc.
- Network cable length measurement, up to 3km
- Built-in 7.4V 7800mAh Li-ion Battery, full charging 4.5 hours, normal working 11 hours

Basic Parameters

Screen	7inch IPS touch screen, 1280x800 resolution
Interface type	FC/SC-UPC
Wavelength	1310/1550/1610 nm
Dynamic range	26/28/30/32/34 dB
Hardware decoding	Up to 4K decoding
Battery	Built-in 7.4V 7800mAh Li-ion Battery
Rechargeable	Full charging 4.5 hours, normal working 11 hours
Working environment	Temperature: -10℃ - +50℃ Humidity: 30% - 90%



MT-7600

- ▶ 7 inch IPS touch screen
- ▶ 1310/1550/1610 wavelength
- ▶ Network cable test
- ▶ WIFI Analyzer
- ▶ Cable fault locator
- ▶ **8K IP** camera test
- ▶ Max measurement range 150KM

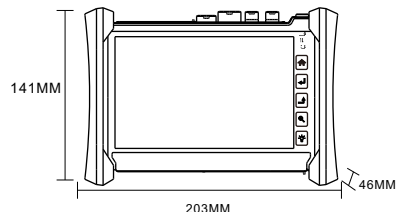


Features

- 7 inch IPS touch screen, 1280x800 resolution
- 1310/1550/1610nm wavelength **Optional**
- 26/28/30/32/34dB dynamic range **Optional**, max test range 150KM
- OTDR 3m-150km accurate test, auto test, event map etc
- Stable laser source, Loss test, Optical power meter and Visual fault locator
- 4 cores CPU, support online update and APP installation
- Internal storage + TF card, can copy the data through internet and U disk
- Report saved as SOR, PDF, or screenshots format etc
- TesterPlay and remote control, fiber can be tested remotely
- H.265 & H.264 IP, 8K video display via mainstream, analog camera tester
- 8MP TVI CVI AHD camera test **Optional**
- HDMI input & VGA input **Optional**
- PoE switch or PoE power supply voltage test and cable connection status
- DC 24V 2A/DC 12V 3A power output, DC5V 2A as power bank
- Dual 1000M network port, PING Test, IP scan, etc
- Built-in WIFI & WIFI Analyzer
- Innovative RJ45 cable plug detection, cable tracer and UTP cable test at the same time
- TDR cable test, test cable pair status, length, attenuation, reflectivity, impedance, delay deviation etc.
- Network cable length measurement, up to 3km
- Built-in 7.4V 7800mAh Li-ion Battery, full charging 4.5 hours, normal working 11 hours

Basic Parameters

Screen	7inch IPS touch screen, 1280x800 resolution
Interface type	FC/SC-UPC
Wavelength	1310/1550/1610 nm
Dynamic range	26/28/30/32/34 dB
Hardware decoding	Up to 8K decoding
Battery	Built-in 7.4V 7800mAh Li-ion Battery
Rechargeable	Full charging 4.5 hours, normal working 11 hours
Working environment	Temperature: -10 °C - +50 °C Humidity: 30% - 90%



MT-8000

- ▶ 8 inch Retina touch screen
- ▶ 1310/1550/1610 wavelength
- ▶ Network cable test
- ▶ WIFI Analyzer
- ▶ Digital Multimeter
- ▶ Cable fault locator test
- ▶ Mobile phone remote control

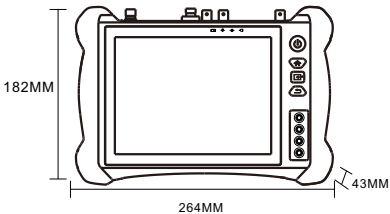


Features

- 8 inch retina touch screen, 2048*1536 resolution + New system
- 1310/1550/1610nm wavelength **Optional**
- Interface type: FC/SC-UPC
- 26/28/30/32/34dB dynamic range **Optional**, max test range 150KM
- OTDR 3m-150km accurate test, auto test, event map etc
- Stable laser source, Loss test, Optical power meter and Visual fault locator.
- 4 cores CPU, support online update and install APP
- Built-in 7.4V 7000mAh Lithium polymer battery, improve working efficiency
- Internal storage + TF card, can copy the data through internet and U disk
- Report saved as SOR, PDF, or screenshots format etc
- TesterPlay and remote control
- H.265 & H.264 IP, 4K video display via mainstream,
- analog camera tester
- 8MP TVI CVI AHD camera test **Optional**
- 4K 60FPS HDMI input **Optional**
- PoE switch or PoE power supply voltage test and cable connection status
- DC 24V 2A/DC 12V 3A power output, DC5V 2A as power bank
- Dual 1000M network port, PING Test, IP scan, etc
- RJ45 cable TDR test and fault point test, max test 180 meter
- Cable tracer and UTP cable test at the same time
- Built-in 7.4V 7000mAh Lithium polymer battery, full charging 3.5 hours, normal working 13 hours

Basic Parameters

Screen	8 inch Retina touch screen, 2048x1536 resolution
Interface type	FC/SC-UPC
Wavelength	1310/1550/1610 nm
Dynamic range	26/28/30/32/34 dB
Hardware decoding	Up to 4K decoding
Battery	Built-in 7.4V 7000mAh Lithium polymer battery
Rechargeable	Full charging 3.5 hours, normal working 13 hours
Working environment	Temperature: -10℃ - +50℃ Humidity: 30% - 90%



MT-8100

- ▶ 8 inch retina touch screen
- ▶ 1310/1550/1610 wavelength
- ▶ Network cable test
- ▶ WIFI Analyzer
- ▶ TDR short circuit and open point test
- ▶ PoE++ 90W
- ▶ Mobile phone remote control

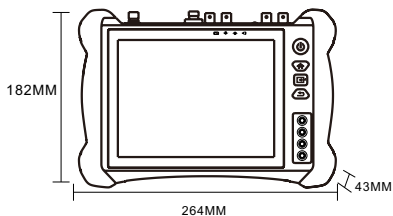


Features

- 8 inch retina touch screen, **2048*1536 resolution** + New system
- 1310/1550/1610nm wavelength **Optional**
- 26/28/30/32/34dB dynamic range **Optional**, max test range 150KM
- Interface type: FC/SC-UPC
- OTDR 3m-150km accurate test, auto test, event map etc
- Stable laser source, Loss test, Optical power meter and Visual fault locator
- 4 cores CPU, support online update and install APP
- Internal storage + TF card, support copy the data through internet and U disk
- Report saved as SOR, PDF, or screenshots format etc
- TesterPlay and remote control
- 8K H.265 video display via mainstream, analog camera tester
- 8MP TVI CVI AHD camera test **Optional**
- 4K 60FPS HDMI input **Optional**
- PoE switch or PoE power supply voltage test and cable connection status
- DC 24V 2A/DC 12V 3A power output, DC5V 2A as power bank
- Dual 1000M network port, PING Test, IP scan, etc
- RJ45 cable TDR test and fault point test, max test 180 meter
- Cable tracer and UTP cable test at the same time
- Built-in 11.1V 3350mAh Lithium polymer battery, full charging 3.5 hours, normal working 7 hours

Basic Parameters

Screen	8 inch Retina touch screen, 2048x1536 resolution
Interface type	FC/SC-UPC
Wavelength	1310/1550/1610 nm
Dynamic range	26/28/30/32/34 dB
Hardware decoding	Up to 8K decoding
Battery	Built-in 11.1V 3350mAh Lithium polymer battery
Rechargeable	Full charging 3.5 hours, normal working 7 hours
Working environment	Temperature: -10 °C - +50 °C Humidity: 30% - 90%



MT-8200

- ▶ 8 inch retina touch screen
- ▶ 1310/1550/1610 wavelength
- ▶ Network cable test
- ▶ WIFI Analyzer
- ▶ TDR short circuit and open point test
- ▶ PoE++ 90W
- ▶ Dual SFP optical module test

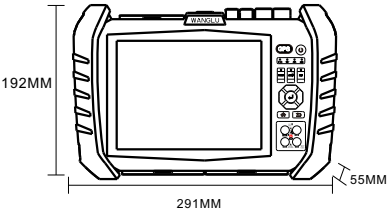


Features

- 8 inch retina touch screen, 2048*1536 resolution + New system
- 1310/1550/1610nm wavelength **Optional**
- Interface type: FC/SC-UPC
- 26/28/30/32/34dB dynamic range **Optional**, max test range 150KM
- OTDR 3m-150km accurate test, auto test, event map etc
- Stable laser source, Loss test, Optical power meter and Visual fault locator
- 4 cores CPU, support online update and install APP
- Internal storage + TF card, support copy data through internet and U disk
- Report saved as SOR, PDF, or screenshots format etc
- TesterPlay and remote control
- 8K H.265 video display via mainstream, analog camera tester
- 8MP TVI CVI AHD camera test **Optional**
- 4K 60FPS HDMI input **Optional**
- PoE switch or PoE power supply voltage test and cable connection status
- DC 24V 2A/DC 12V 3A power output, DC5V 2A as power bank
- Dual 1000M network port, PING Test, IP scan, etc
- RJ45 cable TDR test and fault point test, max test 180 meter
- Cable tracer and UTP cable test at the same time
- Dual SFP optical module ports+ Dual 1000M LAN port
- Built-in 11.1V 3350mAh Lithium polymer battery, full charging 3.5 hours, normal working 7 hours

Basic Parameters

Screen	8 inch Retina touch screen, 2048x1536 resolution
Interface type	FC/SC-UPC
Wavelength	1310/1550/1610 nm
Dynamic range	26/28/30/32/34 dB
Hardware decoding	Up to 8K decoding
Battery	Built-in 11.1V 3350mAh Lithium polymer battery
Rechargeable	Full charging 3.5 hours, normal working 7 hours
Working environment	Temperature: - 10 °C - +50 °C Humidity: 30% - 90%



MT-8500

- ▶ 8 inch IPS touch screen
- ▶ SFP optical module test
- ▶ GPS position
- ▶ Laser distance meter
- ▶ Built-in camera
- ▶ Mobile remote test
- ▶ **4K IP** camera test

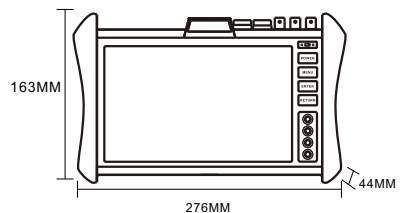


Features

- 8 inch IPS touch screen, 1920x1200 resolution
- 1310/1550/1610nm wavelength **Optional**
- Interface type: FC/SC-UPC
- 26/28/30/32/34dB dynamic range **Optional**, max test range 150KM
- OTDR 3m-150km accurate test, auto test, event map etc
- Stable laser source, Loss test, Optical power meter and Visual fault locator
- 4 cores CPU, support online update and install APP
- Internal storage + TF card, can copy the data through internet and U disk
- Report saved as SOR, PDF, or screenshots format etc
- TesterPlay and remote control, Fiber can be tested remotely
- H.265 & H.264 IP, 4K video display via mainstream, analog camera tester
- 8MP TVI CVI AHD camera test **Optional**
- Laser distance meter, GPS position, Built-in camera **Optional**
- HDMI input / VGA input **Optional**
- PoE switch or PoE power supply voltage test and cable connection status
- DC 24V 2A/DC 12V 3A power output, DC5V 2A as power bank
- Dual 1000M network port, PING Test, IP scan, etc
- Built-in WIFI & WIFI Analyzer
- Innovative RJ45 crystal head detection, cable tracer and UTP cable test at the same time
- TDR cable test, test cable pair status, length, attenuation, reflectivity, impedance, etc.
- Single SFP optical fiber, Dual Gigabit Ethernet port
- 11.1V 5200mAh Lithium Ion Battery, after 3.5 hours charging, working time lasts 11 hours

Basic Parameters

Screen	8 inch IPS touch screen, 1920x1200 resolution
Interface type	FC/SC-UPC
Wavelength	1310/1550/1610 nm
Dynamic range	26/28/30/32/34 dB
Hardware decoding	Up to 4K decoding
Battery	11.1V 5200mAh Lithium Ion Battery
Rechargeable	3.5 hours charging, working time lasts 11 hours
Working environment	Temperature: -10 °C - +50 °C Humidity: 30% - 90%



MT-8800

- ▶ 8 inch IPS touch screen
- ▶ SFP optical module test
- ▶ GPS position
- ▶ Laser distance meter
- ▶ Built-in camera
- ▶ Mobile remote test
- ▶ **8K IP** camera test

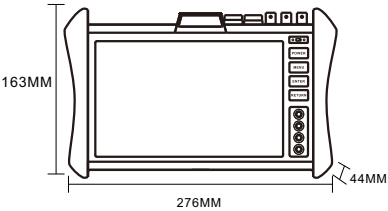


Features

- **8 inch** IPS touch screen, 1920x1200 resolution
- 1310/1550/1610nm wavelength **Optional**
- 26/28/30/32/34dB dynamic range **Optional**, max test range 150KM
- Interface type: FC/SC-UPC
- OTDR 3m-150km accurate test, auto test, event map etc
- Stable laser source, Loss test, Optical power meter and Visual fault locator
- 4 cores CPU, support online update and install APP
- Internal storage + TF card, can copy the data through internet and U disk
- Report saved as SOR, PDF, or screenshots format etc
- TesterPlay and remote control, Fiber can be tested remotely
- 8K H.265 decoding, test various network cameras
- 8MP TVI CVI AHD camera test **Optional**
- Laser distance meter, GPS position, Built-in camera **Optional**
- HDMI input **Optional**, VGA input
- PoE switch or PoE power supply voltage test and cable connection status
- DC 24V 2A/DC 12V 3A power output, DC5V 2A as power bank
- Dual 1000M network port, PING Test, IP scan, etc
- Built-in WIFI & WIFI Analyzer
- Innovative RJ45 crystal head detection, cable tracer and UTP cable test at the same time
- TDR cable test, test cable pair status, length, attenuation, reflectivity, impedance, etc.
- Single SFP optical fiber, Dual Gigabit Ethernet port
- 11.1V 5200mAh Lithium Ion Battery, after 3.5 hours charging, working time lasts 11 hours

Basic Parameters

Screen	8 inch IPS touch screen, 1920x1200 resolution
Interface type	FC/SC-UPC
Wavelength	1310/1550/1610 nm
Dynamic range	26/28/30/32/34 dB
Hardware decoding	Up to 8K decoding
Battery	11.1V 5200mAh Lithium Ion Battery
Rechargeable	3.5 hours charging, working time lasts 11 hours
Working environment	Temperature: - 10 °C - +50 °C Humidity: 30% - 90%



MT-9900



- ▶ 10 inch large touch screen
- ▶ Upgrade Wavelength Division Multiplexing Power Meter
- ▶ Support PON network online testing
- ▶ Advanced Network Testing Tools
- ▶ Mobile remote control
- ▶ Event blind zone: 0.3m
- ▶ Attenuation blind zone: 1.6m
- ▶ Dynamic range 45dB

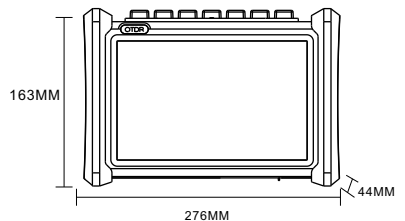


Features

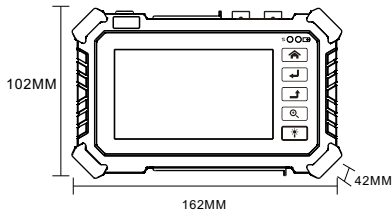
- 10 inch touch screen, 1920x1200 resolution
- OTDR 3m-180km accurate test, auto test, event map, etc
- Active fiber test, support 1310nm/1490nm/1550nm/1577nm/1625nm wavelength
- Support simultaneous measurement of power at 1490nm and 1577nm wavelengths downstream
- Stable laser source, Loss test, Optical power meter, and Visual fault locator
- 4-core CPU, support online update and installation
- Internal storage + TF card, can copy
- the data through the internet and a USB disk
- Report saved as SOR, PDF, or screenshots format, etc
- TesterPlay and remote control, Fiber can be tested remotely
- 8K H.265 decoding, test various network cameras
- 8MP TVI CVI AHD camera test
- Laser distance meter, GPS position, Built-in camera
- HDMI input(Simulate TV display), VGA input
- PoE switch or PoE power supply voltage test and cable connection status
- DC 24V 2A/DC 12V 3A power output, DC5V 2A as power bank
- Dual 1000M network port, PING Test, IP scan, etc
- Built-in WIFI & WIFI Analyzer
- Innovative RJ45 crystal head detection,
- cable tracer and UTP cable test at the same time
- TDR cable test, test cable pair status, length, attenuation, reflectivity, impedance, etc.
- Dual SFP optical fiber, Dual Gigabit Ethernet port
- 11.1V 5200mAh Lithium Ion Battery, after 3.5 hours of charging, working time lasts 11 hours

Basic Parameters

Screen	10 inch touch screen, 1920x1200 resolution
Interface type	FC/SC-UPC
Wavelength	1310/1550/1610/1625 nm
Dynamic range	40/45 dB
Hardware decoding	4-core CPU, 2G+32GB storage
Battery	11.1V 5200mAh Lithium Ion Battery
Rechargeable	3.5 hours charging, working time lasts 11 hours
Working environment	Temperature: -10 °C - +50 °C Humidity: 30% - 90%

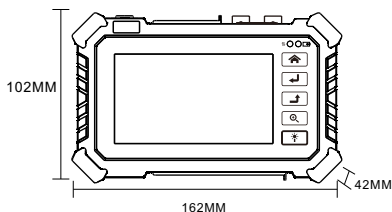


MOT-30



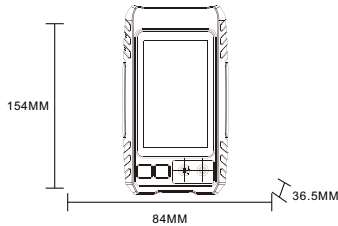
- 4 inch touch screen, 800x480 resolution
- Testing 1310/1550nm wavelength at the same time
- Optical signal test, support 1310nm/1490nm/1577nm/1625nm wavelength
- OTDR test range 3m-100km
- Auto testing, event map, easy to use
- Stable laser source, OPM, and VFL
- Report saved as SOR, PDF format, etc
- Internal storage + external TF card, support copy data through U disk
- 3.7V 4000mAh Li-ion Battery, working time lasts 6 hours

MOT-31



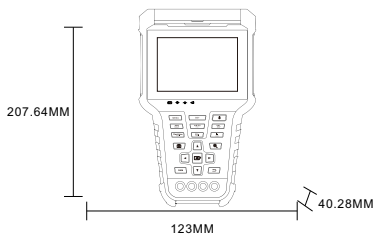
- 4 inch touch screen, 800x480 resolution
- Testing 1310/1550nm wavelength at the same time
- Optical signal test, support 1310nm/1490nm/1577nm/1625nm wavelength
- OTDR test range 3m-100km
- Auto testing, event map, easy to use
- Stable laser source, OPM, and VFL
- Report saved as SOR, PDF format, etc
- Internal storage + external TF card, support copy data through U disk
- Cable opens and shorts test, max measurement 600m
- Innovative RJ45 cable plug detection, cable tracer and UTP cable test at the same time
- Network cable length measurement, up to 3km
- 3.7V 4000mAh Li-ion Battery, working time lasts 6 hours

MOT-33



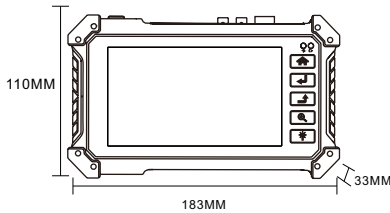
- 4 inch touch screen, 800x480 resolution
- Intelligent digital multimeter
- OTDR test range 3m-100km
- Auto testing, event map, easy to use
- Stable laser source, OPM, and VFL
- Ping test, IP scan and port flashing
- Report saved as SOR, PDF format etc
- Internal storage + external TF card, support copy data through U disk
- Cable opens and shorts test, max measurement 600m
- Innovative RJ45 cable plug detection, cable tracer and UTP cable test at the same time
- Network cable length measurement, up to 3km
- 5V1A USB power output as a power bank
- 3.7V 4000mAh Li-ion Battery, working time lasts 6 hours

MOT-35



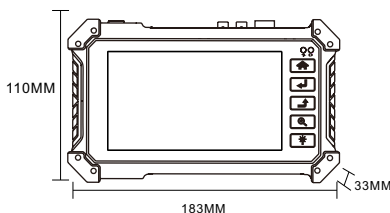
- 4 inch touch screen, 800x480 resolution
- Intelligent digital multimeter
- OTDR test range 3m-100km
- Auto testing, event map, easy to use
- Stable laser source, OPM, and VFL
- Ping test, IP scan, and port flashing
- Report saved as SOR, PDF format, etc
- Internal storage + external TF card, support copy data through U disk
- Cable opens and shorts test, max measurement 600m
- Innovative RJ45 cable plug detection, cable tracer and UTP cable test at the same time
- Network cable length measurement, up to 3km
- DC12V1A power output, 5V1A USB power output as a power bank
- 3.7V 4000mAh Li-ion Battery, working time lasts 6 hours

MOT-50



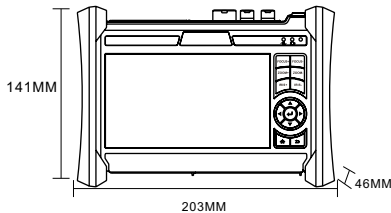
- 5.5 inch OLED touch screen, 1280x720 resolutions
- Testing 1310/1550nm wavelength at same time
- Optical signal test, support 1310nm/1490nm/1550nm/1577nm/1625nm wavelength
- 1550nm wavelength, 24dB dynamic **Optional**
- 1310/1550/1610nm wavelength, 26/24 dynamic **Optional**
- OTDR test range 3m-100km
- Auto testing, event map, easy to use
- Stable laser source, OPM and VFL
- Report saved as SOR, PDF format etc
- Internal storage + external TF card, support copy data through U disk
- 5V 1A power output
- 3.7V 4000mAh Li-ion Battery, working time lasts 6 hours

MOT-51



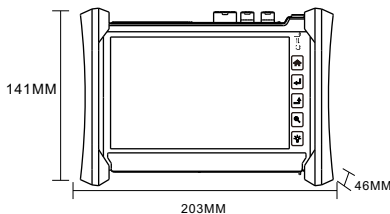
- 5.5 inch OLED touch screen, 1280x720 resolutions
- 1550nm wavelength, 24dB dynamic **Optional**
- 1310/1550/1610nm wavelength, 26/24 dynamic **Optional**
- OTDR test range 3m-100km
- Auto testing, event map, easy to use
- Stable laser source, OPM and VFL
- Ping test, IP scan and port flashing
- Report saved as SOR, PDF format etc
- Internal storage + external TF card, support copy data through U disk
- Cable opens and shorts test, max measurement 600m
- Innovative RJ45 cable plug detection, cable tracer and UTP cable test at the same time
- Network cable length measurement, up to 3km
- 5V 1A power output
- 3.7V 4000mAh Li-ion Battery, working time lasts 6 hours

MOT-65



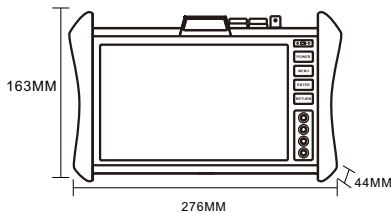
- 5.4 inch IPS touch screen, 1920x1152 resolution
- 1310/1550/1610nm wavelength **Optional**
- 26/28/30/32/34dB dynamic range **Optional**, max test range 150KM
- OTDR 3m-150km accurate test, auto test, event map etc
- Stable laser source, Loss test, optical power meter and Visual fault locator
- Ping test, IP scan and port flashing
- Internal storage + external TF card, support copy data through U disk
- Report saved as SOR, PDF, or screenshots format etc
- RJ45 cable TDR test, cable's open and short test, max test 600 meters
- Innovative RJ45 cable plug fault test
- Cable tracer and UTP cable test at same time
- Cable length test, up to 3KM
- DC12V 3A power output, DC5V 2A as power bank
- Built-in 7.4V 5200mAh Li-ion Battery, full charging 2.5 hours, normal working time 11 hours

MOT-73



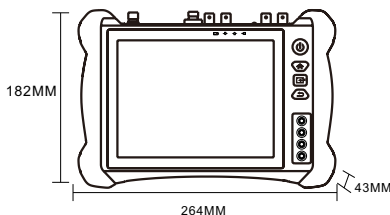
- 7 inch IPS touch screen, 1280x800 resolution
- 1310/1550/1610nm wavelength **Optional**
- 26/28/30/32/34dB dynamic range **Optional**, max test range 150KM
- OTDR 3m-150km accurate test, auto test, event map etc
- Stable laser source, Loss test, Optical power meter and Visual fault locator
- Ping test, IP scan and port flashing
- Internal storage + external TF card, support copy data through U disk
- Report saved as SOR, PDF, or screenshots format etc
- RJ45 TDR cable test, test cable pair status, length, attenuation, reflectivity, impedance, etc.
- Innovative RJ45 cable plug fault test
- Cable tracer and UTP cable test at same time
- Cable length test, up to 3KM
- DC12V 3A power output, DC5V 2A as power bank
- Built-in 7.4V 5200mAh Li-ion Battery, full charging 4.5 hours, normal working time 11 hours

MOT-85



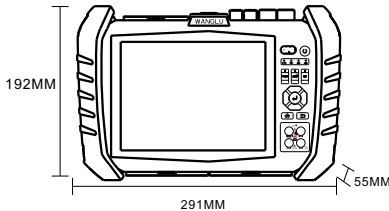
- 8 inch IPS touch screen, 1920x1200 resolution
- 1310/1550/1610nm wavelength **Optional**
- 26/28/30/32/34dB dynamic range **Optional**, max test range 150KM
- OTDR 3m-150km accurate test, auto test, event map etc
- Stable laser source, Loss test, Optical power meter and Visual fault locator
- Ping test, IP scan and port flashing
- Internal storage + TF card, can copy the data through internet and U disk
- Report saved as SOR, PDF, or screenshots format etc
- RJ45 TDR cable test, test cable pair status, length, attenuation, reflectivity, impedance, etc.
- Cable tracer and UTP cable test at same time
- Cable length test, up to 3KM
- DC12V 3A power output, DC5V 2A as power bank
- 11.1V 5200mAh Lithium Ion Battery, after 3.5 hours of charging, working time lasts 11 hours

MOT-81



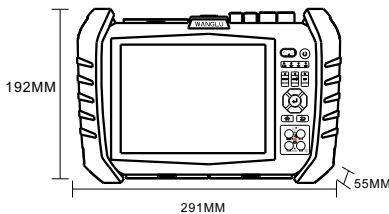
- 8 inch retina touch screen, 2048*1536 resolution
- 1310/1550/1610nm wavelength **Optional**
- 26/28/30/32/34dB dynamic range **Optional**, max test range 150KM
- OTDR 3m-150km accurate test, auto test, event map etc
- Stable laser source, Loss test, Optical power meter and Visual fault locator
- Ping test, IP scan and port flashing
- Internal storage + TF card, support copy the data through internet and U disk
- Report saved as SOR, PDF, or screenshots format etc
- RJ45 TDR cable test, test cable pair status, length, attenuation, reflectivity, impedance, etc.
- Cable tracer and UTP cable test at same time
- TDR cable test: BNC cable, network cable, telephone cable, RVV cable, elevator cable and cat 5/6 cable's length and short circuit. Max measurement 1.2KM
- DC12V 3A power output, DC5V 2A as power bank
- Built-in 11.1V 3350mAh Lithium polymer battery, full charging 3.5 hours, normal working 7 hours

MOT-82



- 8 inch touch screen, 2048*1536 resolution
- OTDR 3m-150km accurate and auto test, event map etc
- Stable laser source, Optical power meter and visual fault locator
- Interface type: FC/SC-UPC
- Internal storage + TF card, can copy the data through internet and U disk
- Report saved as SOR, PDF, or screenshots format etc
- Support Ping IP, IP scan and port flash
- Innovative RJ45 Plug detection
- Cable tracer and UTP cable test at the same time
- TDR cable test, cable's open and short testing
- DC12V 3A/ 5V2A power output
- 11.1V 3350mA Lithium polymer battery

OCID Optical Cable Identifier



- 8 inch larger touch screen, 2048*1536 resolution
- OTDR+OCID fiber test all in one
- Single fiber test
- Quickly and accurately find the optical cable
- Data and graphics display, more clearly
- Built-in SFP optical module test
- Support digital Multi-meter
- Locate fiber cable through audio or visual signal












OTDR Technical Specifications












Wavelength (nm) Optional	1310/1550			1610		1625		1310/1550/1625	1310/1550/1650
Dynamic range(dB) Optional	28/26	30/28	34/32	28	32	28	32	44/42/40	44/42/40
Only support detect optical signal	Support			N/A			Support		
Support Active fiber testing	N/A			Support			Support		
Pulse width (ns)	3,5,10,20,30,50,80,160,300,500,800,1000,2000,4000,6000,10000,20000								
Event blind zone (m)	≤0.8m								
Attenuation blind zone (m)	≤3m								
Linearity (dB/dB)	±0.05								
Loss threshold (dB)	0.05								
Loss resolution ratio (dB)	0.001								
Minimum distance resolution(m)	0.03								
Sampling point(K)	32-128								
Distance uncertainty (m)	±(1 m + 5×10 ⁻⁵ × distance + sampling interval)								
Distance scope (km)	0.1,0.5,1,2,5,10,25,60,120,180,260								
Measurement duration	5s-30min, Real time								
File format	SOR Standard format/PDF/EXCEL								
Storage	FLASH(EMMC)8G/16G+TF card								
Interface type	FC/SC-UPC								

Remarks:

1. The technical specification describes the ensured performance of the instrument when using typical UPC model connector to measure, without considering the uncertainty caused by optical fiber refractivity.
2. Dynamic range is the data measured under the condition of the maximum pulse width and 3 minutes of average time. Dynamic range is the data measured under the condition of 260km/20000ns/3min.
3. Measuring conditions of blind zone: reflection event is within 2Km, reflection strength is 45dB. Measured by the minimum pulse width.

Note: Different models with different Event blind zones, Attenuation blind zones, Storage and Interface types.

Model	MOT-30	MOT-31	MOT-33	MOT-35	MOT-50	MOT-51	MOT-65	MOT-73	MOT-85	MOT-81	MOT-82
Picture											
Screen size	4 Inch	4 Inch	4 Inch	4 Inch	5.5Inch	5.5Inch	5.4 Inch	7 Inch	8 Inch	8 Inch	8 Inch
Resolution	800x480	800x480	800x480	800x480	1280x720	1280x720	1920x1152	1280x800	1920x1200	2048x1536	2048x1536
SFP optical module test	X	X	X	X	X	X	X	X	√	X	√
1000M network port	X	√	√	√	X	√	√	√	√	√	√
OTDR	√	√	√	√	√	√	√	√	√	√	√
CCTV Tester	X	X	X	X	X	X	X	X	X	X	X
Optical power meter	√	√	√	√	√	√	√	√	√	√	√
Visual fault locator	√	√	√	√	√	√	√	√	√	√	√
Laser source	√	√	√	√	√	√	√	√	√	√	√
Cable tracer/Electroscope	Optional	Optional	Optional	Optional	Optional	Optional	√	√	√	√	√
UTP cable test	√	√	√	√	√	√	√	√	√	√	√
RJ45 Cable TDR test	X	600M	600M	600M	X	600M	600M	180M	180M	180M	180M
Cable Length	√	√	√	√	√	√	√	√	√	√	√
VGA input	X	X	X	X	X	X	X	X	X	X	X
HDMI input	X	X	X	X	X	X	X	X	X	X	X
HDMI output	X	X	X	X	X	X	X	X	X	X	X
Digital multimeter	X	X	√	√	X	X	X	X	Optional	Optional	Optional
AHD/CVI/TVI	X	X	X	X	X	X	X	X	X	X	X
SDI	X	X	X	X	X	X	X	X	X	X	X
TDR	X	X	X	X	X	X	X	X	Optional	√	√
Laser distance meter	X	X	X	X	X	X	X	X	Optional	X	X
Built in camera	X	X	X	X	X	X	X	X	Optional	X	X
GPS	X	X	X	X	X	X	X	X	Optional	X	X

Model	MT-5500	MT-6500	MT-6800	MT-7300	MT-7600	MT-8500	MT-8800	MT-8000	MT-8100	MT-8200	MT-9900
Picture											
Screen size	5.4 Inch	5.4 Inch	5.4 Inch	7 Inch	7 Inch	8 Inch	8 Inch	8 Inch	8 Inch	8 Inch	10 Inch
Resolution	1920x1152	1920x1152	1920x1152	1280x800	1280x800	1920x1200	1920x1200	2048x1536	2048x1536	2048x1536	1920x1200
SFP optical module test	X	X	X	X	X	√	√	X	X	Dual	Dual
1000M network port	One	One	Dual	Dual	Dual	Dual	Dual	Dual	Dual	Dual	Dual
OTDR	√	√	√	√	√	√	√	√	√	√	√
CCTV Tester	4K	4K	8K	4K	8K	4K	8K	8K	8K	8K	8K
Optical power meter	√	√	√	√	√	√	√	√	√	√	√
Visual fault locator	√	√	√	√	√	√	√	√	√	√	√
Laser source	√	√	√	√	√	√	√	√	√	√	√
Cable tracer/Electroscope	√	√	√	√	√	√	√	√	√	√	√
UTP cable test	√	√	√	√	√	√	√	√	√	√	√
RJ45 Cable TDR test	180M	600M	180M	180M	180M	180M	180M	180M	180M	180M	180M
Cable Length	√	√	√	√	√	√	√	√	√	√	√
VGA input	Optional	Optional	Optional	Optional	Optional	Optional	Optional	X	X	√	√
HDMI input	Optional	Optional	Optional	Optional	Optional	Optional	Optional	√	√	√	√
HDMI output	X	X	√	X	√	X	√	√	√	√	√
Digital multimeter	X	X	X	X	X	√	√	√	√	√	√
AHD/CVI/TVI	Optional	Optional	Optional	Optional	Optional	Optional	Optional	√	√	√	√
SDI	X	X	X	X	X	Optional	Optional	Optional	Optional	Optional	Optional
TDR	X	X	X	X	X	Optional	Optional	X	√	√	√
Laser distance meter	X	X	X	X	X	Optional	Optional	X	X	Optional	Optional
Built in camera	X	X	X	X	X	Optional	Optional	X	X	Optional	Optional
GPS	X	X	X	X	X	Optional	Optional	X	X	Optional	Optional

CT-66

Cable tracer + UTP cable test



- Secondary code digital mode, decisively rejects noise and false signals, locate cables quickly and easily
- New multiplex technology, cable tracer and UTP cable test at the same time, quickly verify the searching result
- AC12-1000V, frequency 50/60Hz inductive non-contact searching, more secure.
- Sound and light dual alarm, support distinguish neutral and live wire
- Network cable 100M/1000M, straight/cross/other line, more obvious
- Quickly detect the near-end, mid-end and far-end fault point of the RJ45 cable plug
- 60V withstand voltage and anti-burn interface, the wire can be traced directly in connection with Ethernet switch
- Shielded cable and shielding layer continuity detection
- PD powered detection
- Indicate the status in the working telephone line: standby, ringing and off-hook
- Support silent mode
- Dual LED lights, can operate in the dark

CT-66V

Cable tracer + UTP cable test +VFL



- VFL, Test fiber's bending and breakages
- Secondary code digital mode, decisively rejects noise and false signals, locate cables quickly and easily
- New multiplex technology, cable tracer, and UTP cable test at the same time, quickly verify the search result
- AC12-1000V, frequency 50/60Hz inductive non-contact searching, more secure.
- Sound and light dual alarm, support distinguish neutral and live wire
- Network cable 100M/1000M, straight/cross/other line, more obvious
- Quickly detect the near-end, mid-end, and far-end fault points of the RJ45 cable plug
- 60V withstand voltage and anti-burn interface, the wire can be traced directly in connection with the Ethernet switch
- Shielded cable and shielding layer continuity detection
- PD powered detection
- Indicate the status in the working telephone line: standby, ringing and off-hook
- Support silent mode
- Dual LED lights, can operate in the dark

LT-200S

Cable tracer+UTP cable test+VFL+OPM+PoE detector



- 3-inch screen, screen size 48*65mm
- Optical power meter and Visual fault locator
- The secondary code digital mode decisively rejects noise and false signals and locates cables quickly and easily.
- Advanced UTP cable test, test UTP cable's sequence, type and remote kit, quickly detect the near-end, mid-end and far-end fault point of RJ45 cable connector.
- RJ45 cable TDR test, test cable's length, max 600 meter
- Port Flash can search the switch port that connects the meter and detect the connected network port (100/ 1000M)
- PoE detector, support IEEE802.3af/at/bt supply power protocol
- PSE IN and OUT, measure the PSE power supply voltage and power

LT-300S

Cable tracer+UTP cable test+VFL+OPM+PoE detector



- 3-inch screen, screen size 48*65mm
- Optical power meter and Visual fault locator
- The secondary code digital mode decisively rejects noise and false signals and locates cables quickly and easily.
- Advanced UTP cable test, test UTP cable's sequence, type and remote kit, quickly detect the near-end, mid-end and far-end fault point of RJ45 cable connector.
- RJ45 cable TDR test, test cable's length, max 600 meter
- Port Flash can search the switch port that connects the meter and detect the connected network port (100/ 1000M)
- PoE detector, support IEEE802.3af/at/bt supply power protocol
- PSE IN and OUT, measure the PSE power supply voltage and power
- Built-in rechargeable lithium battery

LT-600 series

Cable tracer+UTP cable test+VFL+OPM+PoE detector+Digital Multimeter



- 4-inch touch screen, 800x480 resolution
- Intelligent Digital Multimeter **Optional**
- VFL, Test fiber's bending and breakages **Optional**
- OPM, Measure fiber's attenuation and continuity **Optional**
- POE detector, testing power, voltage, etc
- Ping test, IP scan, and port flashing
- Innovative RJ45 cable plug detection and cable tracer
- Network cable length measurement, up to 3km
- FTP server, can be used to export test reports from the Tester

LT-1200



Network test/ Cable tracer/UTP cable test/ Video level test

- Secondary code digital mode, decisively rejects noise and false signals, locate cables quickly and easily
- New multiplex technology, cable tracer and UTP cable test at the same time, quickly verify the searching result
- UTP cable test, can judge which end of the network cable is wrong, support network cable TDR test with shielded layer and test network cable length, quality, gigabit transmission quality, etc.
- Port flicker, PING test, IP address scanning, Network status detection
- TDR cable breakpoint and short circuit test, max test length 1.2KM.
- Support 4 pairs of network cable test hardware high-speed sampling at the same time, detect the peak, sync and burst level of TVI, CVI, AHD, CVBS signals.



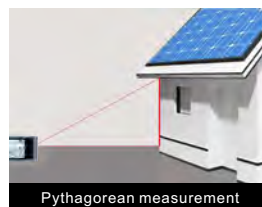
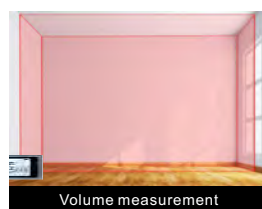
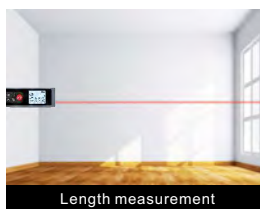
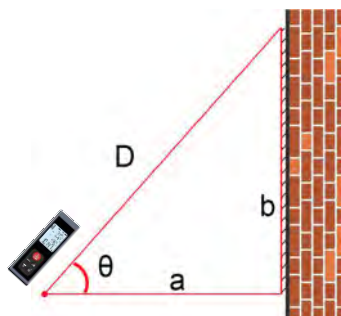
Mini Laser Distance Meter

- ▶ Metal shell, mini and portable
- ▶ Measurement range 30M/40M/50M (Optional)
- ▶ 5000 single measurements per full charging
- ▶ Millimeter level accuracy $\pm 2\text{mm}$
- ▶ Laser class: Level II
- ▶ Electronic horizontal measurement (Optional)
- ▶ Efficient collection of house data, multi-function measurement is integrated to solve daily needs
- ▶ Dimension: 56*22*13mm



Laser Distance Meter

- ▶ Metal shell, mini and portable
- ▶ Test distance is 40/60/80/100 meter(Optional)
- ▶ Laser class II
- ▶ Electronic horizontal measurement (Optional)
- ▶ 10000 single measurements per full charging
- ▶ Millimeter level accuracy $\pm 2\text{mm}$
- ▶ Efficient collection of house data, multi-function measurement is integrated to solve daily needs
- ▶ Dimension: 87*27.6*15mm





Focus on Multifunction tester

Just keep on moving

Guangzhou WangLu Technology Co., Ltd

Tel : (86 20)87566118

Fax: (86 20)38075108

Web: www.cctvtester.com www.wanglu.com.cn

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No. 12, Nanjian Avenue, Nanpu Village, Xintang Town, Zengcheng District,
Guangzhou, Guangdong, China 511300

Office Add: Room 215-223, Building B, No.33 Science Avenue,
Huangpu District, Guangzhou, Guangdong, China 510663

