

MICRO OTDR

MAIN FUNCTIONS:

- ⚙️ FIBER-PON-OTDR
- ⚙️ COPPER-OTDR
- ⚙️ OPTICAL POWER METER
- ⚙️ PON POWER METER
- ⚙️ VISUAL FAULT LOCATOR
- ⚙️ NETWORK TESTING FEATURES
- ⚙️ LINK TEST / SPEED CHECK
- ⚙️ COPPER LINE TEST & CABLE SEARCH



All-in-One Magical Tool for Maintenance & Support of FTTx / Cable-TV / Broadband Network

NETWORK MAINTENANCE TOOL & OTDR

- ⚙️ Full Function PON OTDR that also allows Live Fiber Testing.
- ⚙️ Test Copper CAT-5/6, Cable TV Copper Cables, Electrical Wiring.
- ⚙️ Check Optical Signal Level - OPM
- ⚙️ Check OLT/ONU, Useful for ISP/FTTx Operations
- ⚙️ InBuilt VFL
- ⚙️ No Need of Laptop to Check Internet Speed & LAN Health.
- ⚙️ Check Ping to the Router/gateway.
- ⚙️ Check RJ-45 Connector, Crimp Quality, Loop Resistance.
- ⚙️ Locate Cables under the Wall or Find Cable in the Control Room.



Proven Highly Reliable &
Lowest Cost of Maintenance / Spares



Special Offer on other Star Product
5 Years Replacement Option



Backed by Top Quality Support Services
with 1 Year Standard Warranty.

DETAILED FUNCTION & INTRODUCTION

OTDR: LOCATE THE FAULTS AND BREAKS OF OPTICAL FIBER, MEASURE THE LENGTH, THE TRANSMISSION LOSS AND THE SPLICE LOSS, ETC, (30KM FOR ATTENUATION & 50KM FOR BREAKING POINT)

LTDR: MEASURE THE LENGTH, BREAKING POINT, SHORT CIRCUIT POINT, IMPEDANCE MIS-MATCH POINT AND DISTANCE BETWEEN 2 POINTS FOR NETWORK CABLES, COAXIAL CABLES AND OTHER CABLES & WIRES.

OPM: MEASURE THE AVERAGE OPTICAL POWER.

PON POWER METER: MEASURE THE PON UPSTREAM SIGNAL (1310NM & 1277NM) POWER, TO JUDGE WHETHER THE ON-LINE ONU EXIST AND ONU UPSTREAM PULSE IS IN NORMAL CONDITION.

VFL: USED FOR FIBER TRACING, FIBER ROUTING AND CONTINUOUS CHECKING IN THE OPTICAL NETWORK.

NETWORK TEST: WITH THE INTEGRATED ETHERNET INTERFACE CHIP. IT IS USED TO TEST VARIOUS NETWORK FEATURES INCLUDING PING AND CONNECTIVITY TESTS LIKE - PPPOE DIAL, DHCP TEST, ARP TEST, WEB TEST AND SO ON. TO DETERMINE THE NETWORK FAULTS.

INTERNET SPEED TEST: MEASURE THE NETWORK DOWNLOAD SPEED AND WEBSITE RESPONSE/ DELAY SPEED.

LINE TEST: MEASURE THE LOOP RESISTANCE AND UNBALANCE RESISTANCE OF NETWORK CABLES (CAT5, CAQT5E/ CAT6/ CAT7), AND THE LOOP RESISTANCE OF COAXIAL CABLE, OTHER CABLES & WIRES, TO JUDGE THE FAULTS CONDITION OF ALL PHYSICAL CONNECTIONS.

LINE SEARCH: SEARCH THE SPECIFIED CABLES & WIRES BY SENDING AND RECEIVING SIGNALS (AUDIO & ULTRA AUDIO).

FUNCTIONS	PARAMETERS	
OTDR Live Fiber Testing of FTTx/CATV/Telecom Working on 1310/1490/1550nm	Measurement Resolution	0.6m
	Event Dead Zone	10m
	Attenuation Dead Zone	15m
	Test Pulse Width	10'30'100'300ns'1'3us
	Dynamic Range	18 dB @ 1610 nm
	Measurement Length (Event)	50km
	Measurement Length (Attenuation)	30km
LTDR	Measurement Range	5-200m
	Pulse Amplitude	10v
	Pulse Width	10'30'100'300ns'1'3us
Optical Power Meter	Measurement Resolution	0.6m
	Wavelength Range (nm)	800~1600
	Probe Type	InGaAs
	Power Measurement (dBm)	-50 TO +26 DB
	Uncertainty	3%
	Display Resolution	0.1dBm
	Fiber Category	Single Mode
PON Power Meter	Connector	SC/APC
	Wavelength Range (nm)	1310nm & 1277nm
	Measurement Range	-40~+6dBm
Visual Fault Locator	Insert Loss	Loss than 1dB
	Uncertainty	±1dBm
	Operation Wavelength (nm)	650nm
	Light Emitting device	FP-LD
	Output Power (mw)	5mw
	Modulation	0Hz, 1Hz, 2Hz
	Fiber Category	Single Mode
Network Test	Connector	SC
	Download Speed	1000M
	Ping Test	6 groups or setting
	Pppoe Dial	6 groups or setting
	DHCP Detect	Display IP and Gateway
Line Test	WEB Test	Display WEB interface
	4 Groups Loop Resistance	1-8000Ω
	4 Groups Unbalanced Resistance	1-1000Ω
Line Search	Uncertainty	5%
	Audio Hunt	800/1600HZ-10vpp
Others	Ultra Audio Hunt	400KHz moulation800/1600HZ-10vpp
	Power Supply	Lithium/4000MAH
	Power Adapter	MicroUSB 5V/1000mA
	Single-Phase Maximum Current	≤ 200mA
	Standby Power	≤ 2uA
	Battery Operating Time	≥ 10H
	Auto-off Time (min)	Adjustable
	Working Temperature (°C)	-10~+50
	Storage Temperature (°C)	-25~+70

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