FIBERSHOT

REDEFINING THE OFC TESTING

MICRO OTDR

PRESENTING THE MICRO-PON-OTDR

EXCELLENT SERVICE TOOL FOR FTTx/BROADBAND/CABLE TV SERVICE PROVIDERS

PRODUCT HIGHLIGHTS

- ❖ **OTDR** – Full Function PON OTDR that also allows Live Fiber Testing.
- ❖ **LTDR** – To Test Copper CAT-5/6, Cable TV Copper Cables, Electrical Wiring.
- ❖ **OPM** – To Check Optical Signal Level.
- ❖ **PON POWER METER** – Check OLT/ONU, Useful for Internet Service Providers.
- ❖ **VFL** - Check Fiber Faults Visually.
- ❖ **NETWORK TEST** – No Need of Laptop to Check Internet Speed & LAN Health.
- ❖ **LINK TEST** – Can Check Ping to the Router/Gateway.
- ❖ **LINE TEST** – Check Break/Shorting Point in The Copper Cat-5/6 Cables.
- ❖ **LINE SEARCH** – Locate cables under the Wall or Find Cable in the Control Room.

Backed With Unparalleled Service & Support

Best OTDR for CABLE-TV & Broadband Operators

THE FIBERSHOT MICRO-OTDR IS USED FOR MAINTENANCE & INSTALLATION OF CABLE-TV/BROADBAND/FTTH NETWORK /DEVICE MAINTENANCE/ENGINEERING ACCEPTANCE AND ALSO IN SOME OTHER APPLICATIONS INCLUDING POWER CABLES, COAXIAL CABLE, CCTV SECURITIES MONITORING, CCTV TRANSMISSION CABLES AND SO ON.

THE FIBERSHOT MICRO-OTDR CAN DETERMINE AND LOCATE THE FAULTS AND BREAKS OF OPTICAL FIBER, NETWORK CABLE AND OTHER CABLES & WIRES WITHIN 5 SECONDS AUTOMATICALLY AND VERY EASILY.

THE FIBERSHOT MICRO-OTDR GREATLY IMPROVE THE EFFICIENCY OF INSTALLATION & MAINTENANCE WHILE REDUCING THE COST OF OPERATION & MAINTENANCE, ESPECIALLY SUITABLE FOR THE LAST 100 METERS OF OPTICAL FIBER & NETWORK CABLES ON FTTH.

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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	Laser Tube	LD
	Detecting Diode	APD
	Measurement Resolution	0.6m
	Event Dead Zone	15m
	Attenuation Dead Zone	20m
	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
	Measurement Resolution	0.6m
Optical Power Meter	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
	Connector	SC/APC
PON Power Meter	Wavelength Range (nm)	1310nm &1277nm
	Measurement Range	-40-+6dBm
	Insert Loss	Loss than 1dB
	Uncertainty	±1dBm
Visual Fault Locator	Operation Wavelength (nm)	650nm
	Light Emitting device	FP-LD
	Output Power (mw)	5mw
	Modulation	0Hz, 1Hz, 2Hz
	Fiber Category	Single Mode
	Connector	SC
Network Test	Download Speed	1000M
	Ping Test	6 groups or setting
	Pppoe Dail	6 groups or setting
	DHCP Detect	Display IP and Gateway
	WEB Test	Display WEB interface
Line Test	4 Groups Loop Resistance	1-8000Ω
	4 Groups Unbalanced Resistance	1-1000Ω
	Uncertainty	5%
Line Search	Audio Hunt	800/1600HZ-10vpp
	Ultra Audio Hunt	400KHz moulation800/1600HZ-10vpp
Others	Power Supply	Lithium/4000MAH
	Power Adapter	MicroUSb 5V/1000mA
	Single-Phase Maximum Current	£ 200mA
	Standby Power	£ 2uA
	Battery Operating Time	³ 10H
	Auto-off Time (min)	Adjustable
	Working Temperature (°C)	-10~+50
	Storage Temperature (°C)	-25~+70

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