

AT- 4000



ANDA TELECOM AT-4000:- Series is the compact multi-functional platform, with 8 inch high-resolution touch screen, which is specially designed for FTTx/WAN applications and can meet all test requirements of installers, contractors and service operators during network installation, construction, maintenance and troubleshooting. It is convenient and accurate for auto/manual testing, multi- wavelength testing and multifunctional analysis

Multi-Function and High Performance OTDR Testing

- Dynamic Range up to 50Db
- Short zone: EDZ 0.8m, ADZ 4m
- Auto/Manual test and analysis
- Multi-wavelength testing
- Visual Fault Locator function
- In-Line test and through Splitter
- Test (1625/1650nm with filter)
- OTDR Module up to four wavelengths, SM/MM Option



Anda Telecom Pvt. Ltd.

Registered office : E-38, Sec 06, Noida, Gautambudha Nagar, Uttar Pradesh - 201301, INDIA

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- Fault locating, fiber length/loss/return
- loss measurement, connector/ splice/ splitter/
- macro bend/fiber-end detection
- GR-196-CORE (.SOR) file format
- SOR, JPG&PDF file format
- Flexible file Naming

Optimized Platform Performance

- Lightweight, 1.5kg including battery
- 8 inch touch screen
- High strength protect horn
- Excellent Man-Machine interface for easy operation
- Optimized power management: 10 hours continuous operation
- Remote / local control by pc



High Resolution 8 inch Color Touch Screen

- 8 inch touch screen, damp-dust-shock proof
- Quick response, clear display and convenient operation

Link Image (LM100) – REMOVING THE COMPLEXITY FROM OTDR TESTING

Link Image software helps technicians use an

OTDR more effectively, without the need to

Understand or interpret OTDR results.



It converts the graphic data points obtained from

Traditional single pulse trace into reflective or

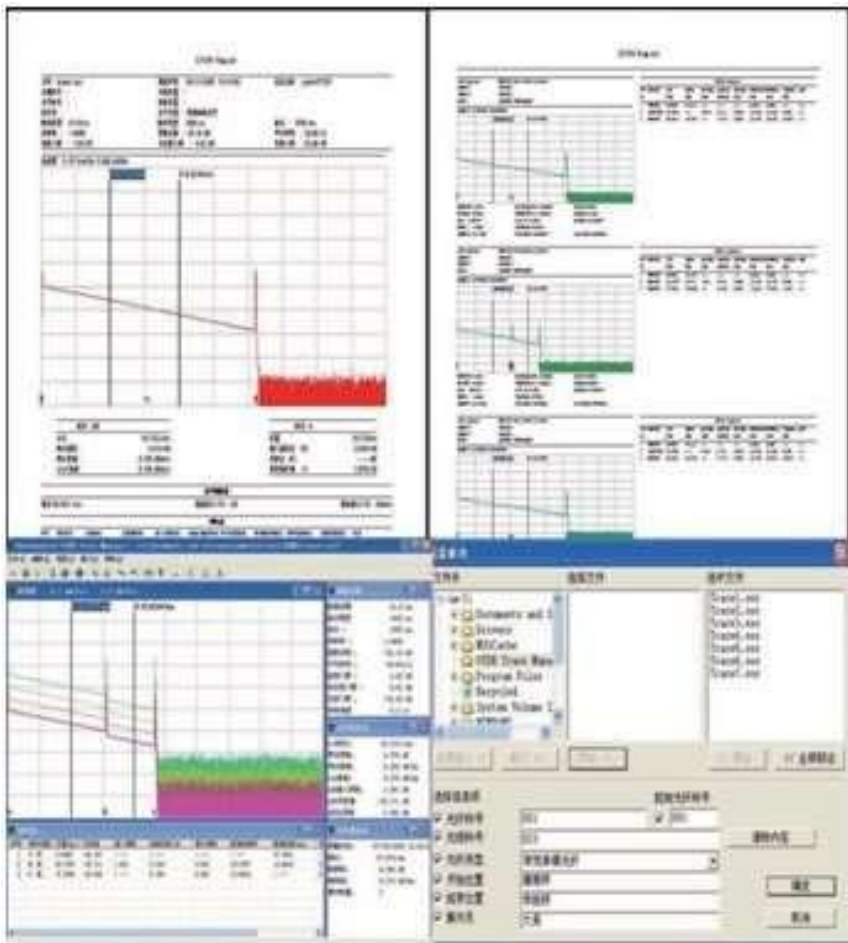
Non-reflective icons which gives users

A schematic view of the entire link

- Icon-based fiber link view of all events
- Automatic pass/fail results
- Eliminates the need for OTDR expertise

MTP Suite PC Software

- Multi traces analysis and comparison
- Batch editing and printing



Network Remote Control Module

- Convenient networking
- Remote control instrument operation

Optical Connector Insepector (Optional)

- Focusing knob for fast focus
- Eye-safe and clear videoviewing
- Interchangeable connector tips



Stabilized Laser Source Module (Optional)

- Wavelength same as the OTDR
- High precision and easy operation

Optical Power Meter Module (optional)

Multi – Wavelength Calibration
High Precision
Convenient Operation



Applications

- FTTx/PON Networks
- Local Area Networks (LAN)
- Metropolitan Area Networks (MAN)
- Long Haul Networks

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TECHNICAL SPECIFICATIONS

GENERAL SPECIFICATIONS	
Display	8- inch Color Touch Screen (800×480)
Connectivity	USB×2; 10/100Mbit/s RJ-45×1
Memory	8GB
Power Supply	Rechargeable Li-Ion Battery/AC Adapter
Battery Life	10 hours continuous operation
Working Temp.	-20°C - 50°C
Storage Temp.	-40°C - 60°C
Humidity	0 - 95% (Non-Condensing)
Weight	1.5kg
Dimensions (L×W×H)	235×159×75mm

OTDR Module	Wavelength (±20nm)	Dynamic Range (dB) ⁽¹⁾	EDZ (m) ⁽²⁾	ADZ(m) ⁽²⁾
AT-4000-A	1310/1550	38/37	0.8	4
AT-4000-B	1310/1550	45/43	0.8	4
AT-4000-C	1310/1550	50/48	0.8	4
AT-4000-D	1310/1550/1625	43/41/4 0	0.8	4
AT-4000-E	1310/1550/1650	42/40/3 9	0.8	4
AT-4000-F	850/1300/1310/155 0	23/28/38/36	1	4.5/4.5/4/4
Selectable Range	SM: 1.3, 2.5, 5, 10, 20, 40, 80, 160, 240Km			
	MM: 1.3, 2.5, 5, 10, 20, 40Km			
Pulse Width	SM: 5ns, 10ns, 30ns, 100ns, 300ns, 1µs, 2.5µs, 10µs, 20µs			
	MM: 5ns, 10ns, 30ns, 1µs, 2.5µs			
Averaging Time	Quick, 15s, 30s, 45s, 60s, 90s, 120s, 180s			
Emitter Type	LD			
Connector	FC/PC (Interchangeable SC, ST and LC)			
Distance Measure Accuracy	±(1m + 10 ⁻⁵ ×distance + sampling spacing)			
Attenuation Detect Accuracy	±0.05 dB/dB			
Reflection Detect Accuracy	±4 dB			
Visual Fault Locator	Output Power: ≥-3dBm	MOD Frequency: 1Hz	Detecting Range: 5Km	

Optical Connector Inspector Module (Optional)	
Field of View	400μm×300μm
Resolution	≤1.5μm
Focusing	Manual Focus
Microscope Dimensions	Ø32×175mm
Stabilized Laser Source (Optional)	
Wavelength(±20nm)	Same as OTDR's
Output Power	≥-7dBm

Normal Power Meter Module (Optional)	
Calibrated Wavelength	850nm, 1300nm, 1310nm, 1490nm, 1550nm, 1625nm, 1650nm
Measurement Range	-70dBm~ +6dBm (-60dBm - +6dBm @ 850nm)
Detector Type	In GaAs
Display Resolution	0.01dB
Accuracy	± 5% ± 0.01nW (±0.5dB@850nm)

*Specifications subject to change without notice

NOTES:-

- 1:-Dynamic range measurement at 20μs pulse width and 180s averaging time;
- 2:-Dead Zone measurement at 0.6Km and reflection <-45dB; EDZ measurement at 5ns, ADZ measurement at 10ns.

Order Information:

Standard Package

AT-4000 SERIES Host, Lithium Battery, CD (Software & User Manual), AC Adapter, Carrying Case, WarrantyCard, CalibrationCertificate

Optional Module:

Stabilized Laser Source Module (as OTDR)
 Optical Power Meter Module
 Optical Connector InspectorModuleLink Image Module

ORDERING INFORMATION: -

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