Anritsu Advancing beyond

A truly revolutionary OTDR

µOTDR Module™

MT9090A/MU909014x/15x

Introducing the MT9090A with MU909014x/15x µOTDR Module™

A truly revolutionary OTDR

Pocket-sized
Easy Operation
Excellent OTDR Performance
Unique Battery Operation
Low Cost

MT9090A µOTDR Module™ All in one

All required fiber tests in a single µOTDR!

New µOTDR is available to test optical fiber by seven functions

- **OTDR**
- **Loss Test Set (LTS)**
- **Video Inspection Probe (VIP)**
- **Light Source (LS)**
- **PON Power Meter (PON-PM)**
- **Visible Laser Diode (VLD)**
- **Optical Power Meter (OPM)**

FOR HIGHLY PORTABLE FIELD USE

Easily held with one hand

- Palm-size (190mm x 96mm x 48mm)
- Approximately 700g

Battery operation

- Max. 8 hours operation (with STD Battery pack)
- 4 hour recharge (with STD Battery pack)
- NiMH battery pack or “AA Alkaline Dry Battery” operation

Rugged design

- Sealed design – no vents or fans
- Wrist strap to prevent “accidental” drops

Color indoor/outdoor display standard

- 4.3” high resolution
- Landscape format naturally fits OTDR trace

Easy Operation(1/5)

Anritsu
Advancing beyond

THE FOOLPROOF testing device

Easy to use

- True one-button fault location
- Automatic testing parameters selection in Full-automatic mode
- Quick fiber evaluation
- Event analysis table and full Trace view

Truly Easy!!

Quick boot-up

- Ready to test in <15 seconds

Easy Operation(2/5)

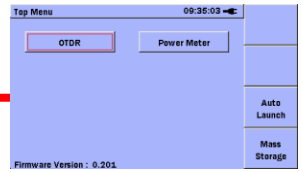
Anritsu
Advancing beyond

Simple, One-button Operation

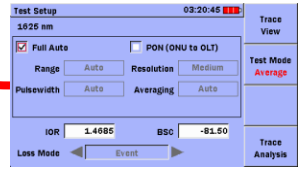
Push Menu to Turn on power

Self Test
During start-up, Showing self test result.

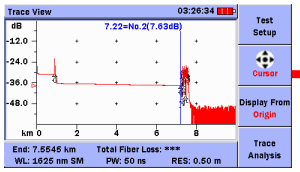
Automatically moves to
OTDR Menu from Top menu
Can be bypassed



User selectable test parameters
(or select full automode)

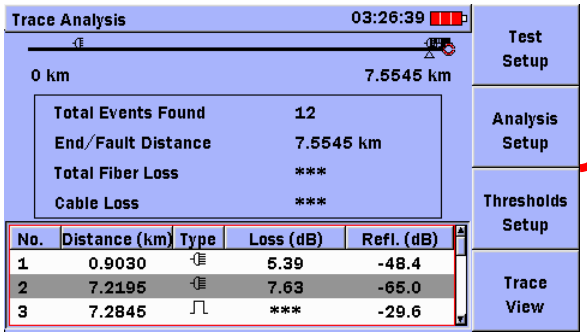


Push Start to start test



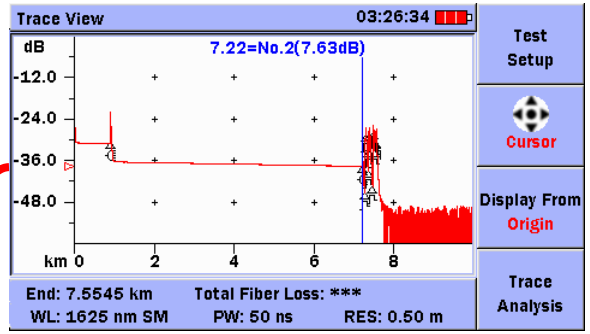
Automatically checks fiber connection,
proceeds if the result is good
(With Poor or Fair result check
connection or start test manually)

During testing,
Trace (waveform) is displayed



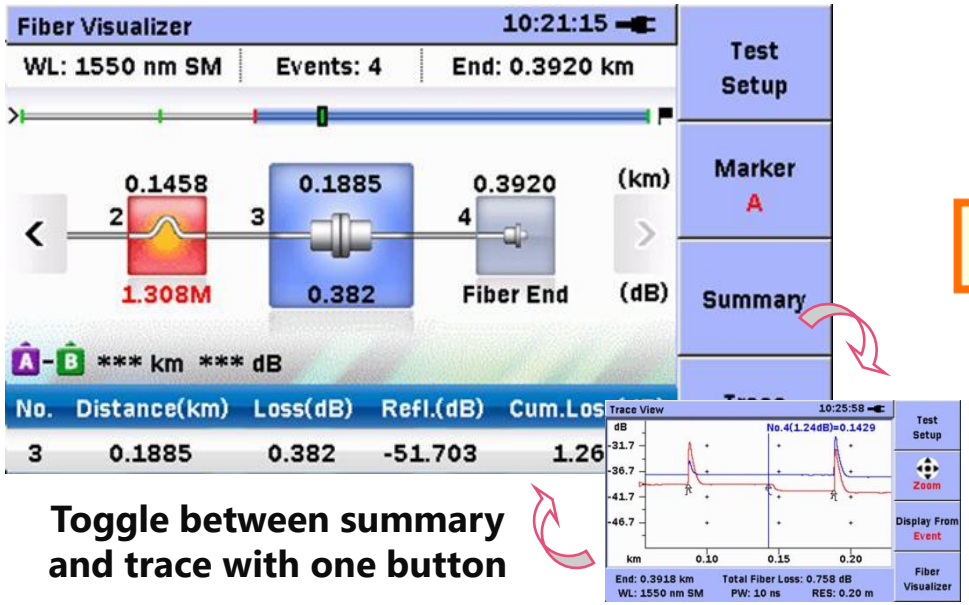
Finish the measurement,
and displayed Trace analysis (Event table)

If you want to show trace then;
- Select F4 key
Or
- Select an event and select Autozoom



Fiber Visualizer Mode

"Fiber Visualizer" is a new fault locate function designed to simplify the entire testing process. Fiber Visualizer automatically selects the testing parameters to ensure the correct setup and provides a simple, graphical summary of the fiber under test within seconds. A comprehensive PDF report can then be customized and generated, completing the testing process.



Toggle between summary and trace with one button

Simple PDF report generation

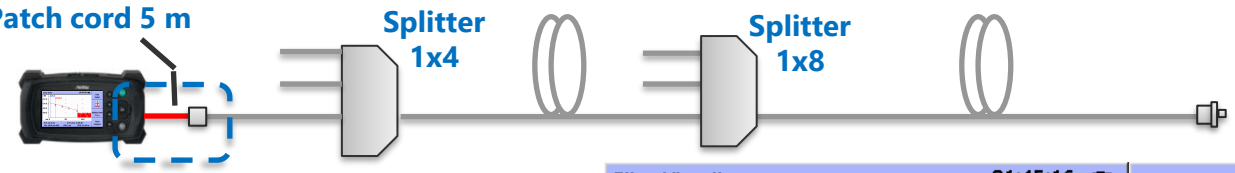
Easy Operation(4/5)

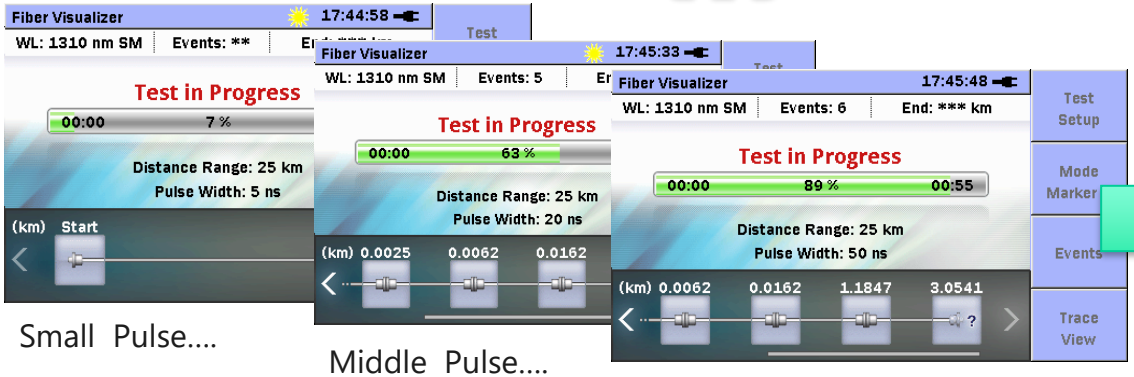
Anritsu
Advancing beyond

Fiber Visualizer Mode
Enhancement PON Analysis

FiberVisualizer

Measurement Application

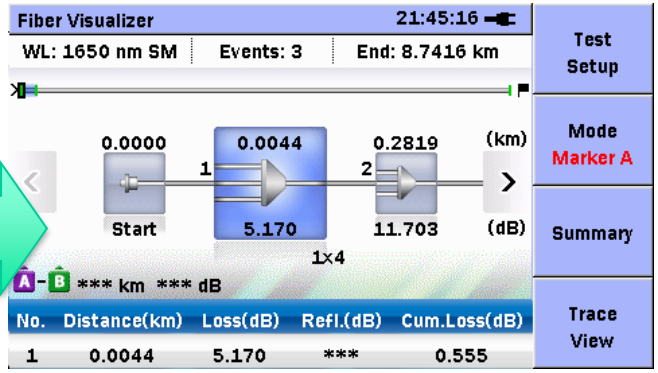




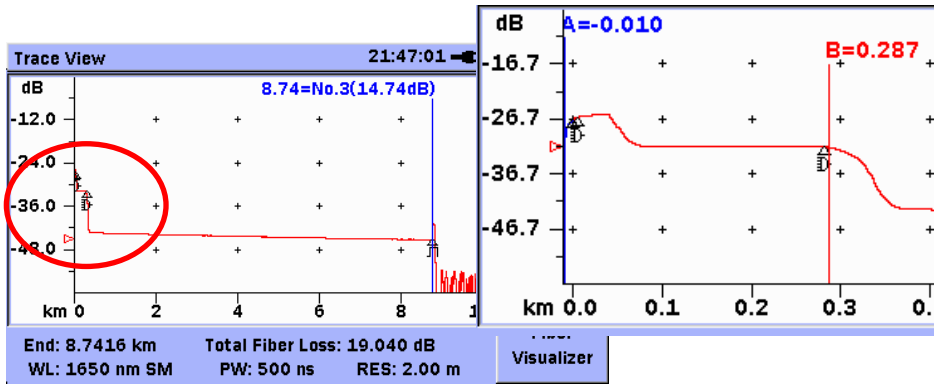
Small Pulse....

Middle Pulse....

Large Pulse....



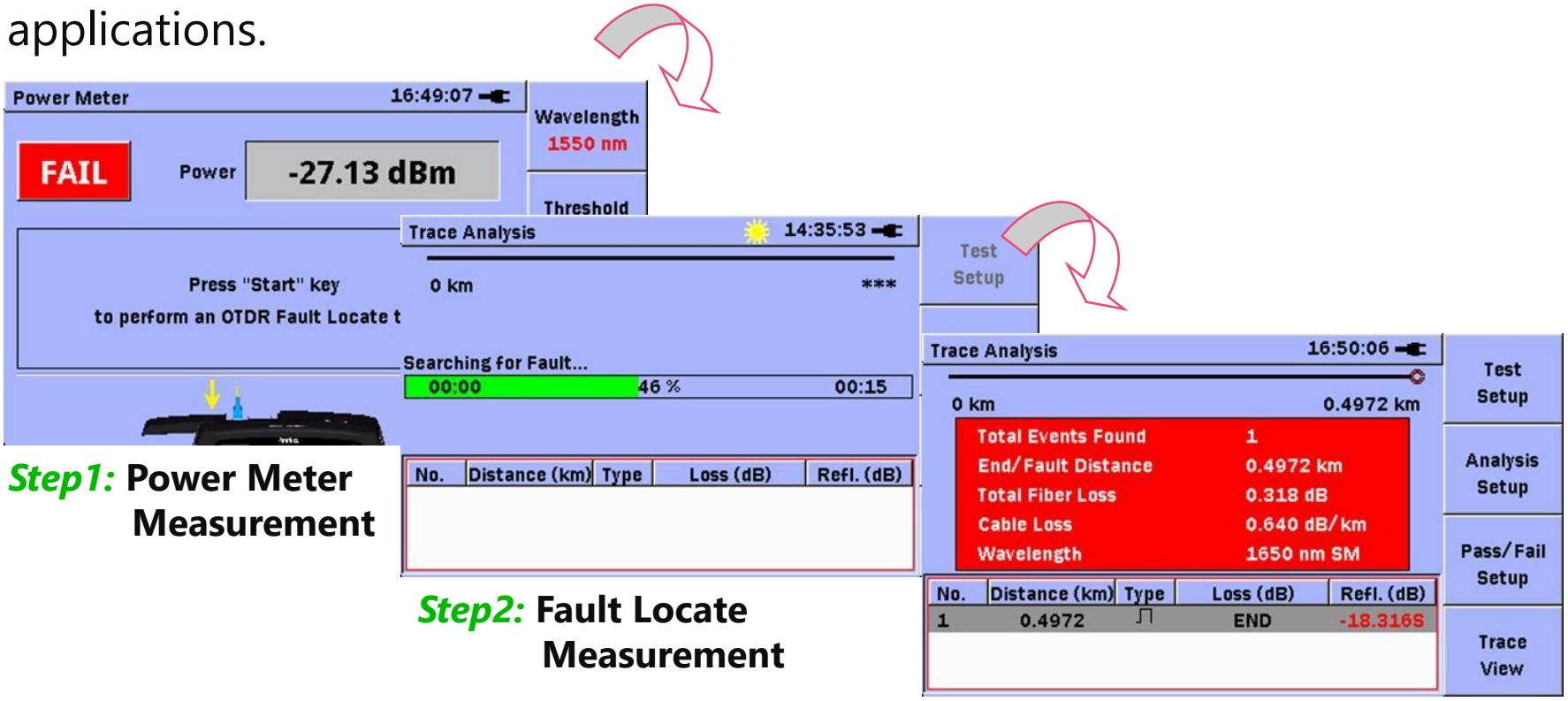
Stable Event Detection



Possible to detect short fiber (5 m) and loss analysis on PON application.

DCFL Mode

The DCFL (Drop Cable Fault Locate) mode is a useful function to investigate faults occurring in a drop cable. It consists of the Power Meter function and OTDR function, so you are not required to switch measuring instruments or applications.

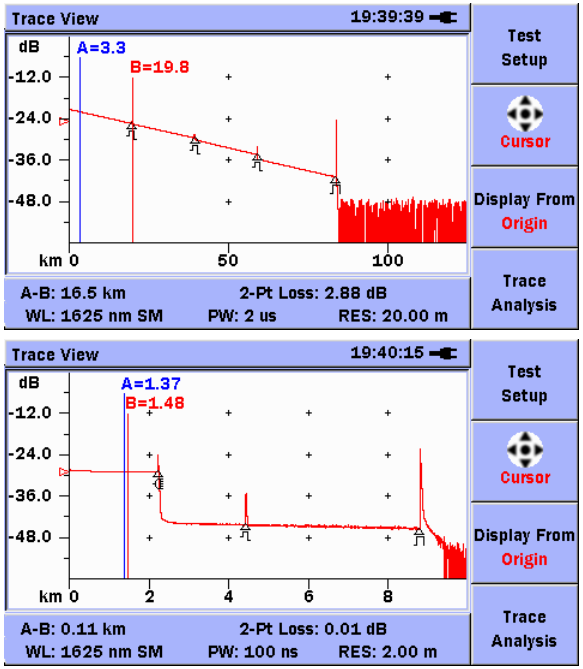


Step1: **Power Meter Measurement**

Step2: **Fault Locate Measurement**

Testing Optical Fiber Anywhere in the Network

Excellent OTDR Performance

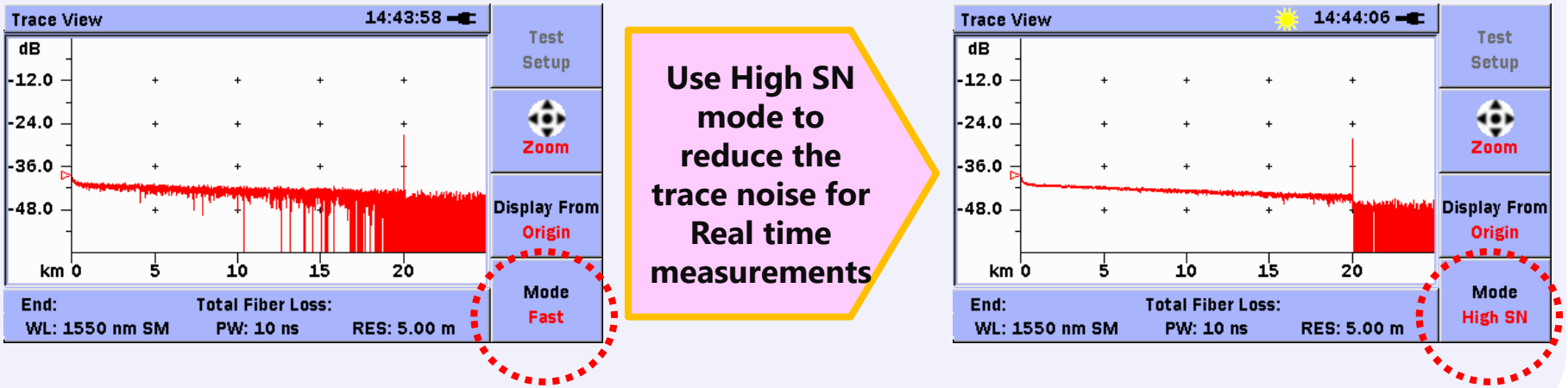


- Tests all fibers
  - A Core To Access Network I&M testing tool
- High Dynamic range, Quick fiber evaluation
  - 31 – 38 dB Dynamic range
  - High number of sampling points
- Complete PON testing tool
  - High resolution and extremely short dead zones ensure entire PON (1x32, 1x64 branches) network evaluation
  - Available in both In-Service test and Out-Service test configurations
  - 1625 nm or 1650 nm wavelengths for in-service maintenance of PONs <u>without</u> external filters

Testing Optical Fiber Anywhere in the Network

Excellent OTDR Performance

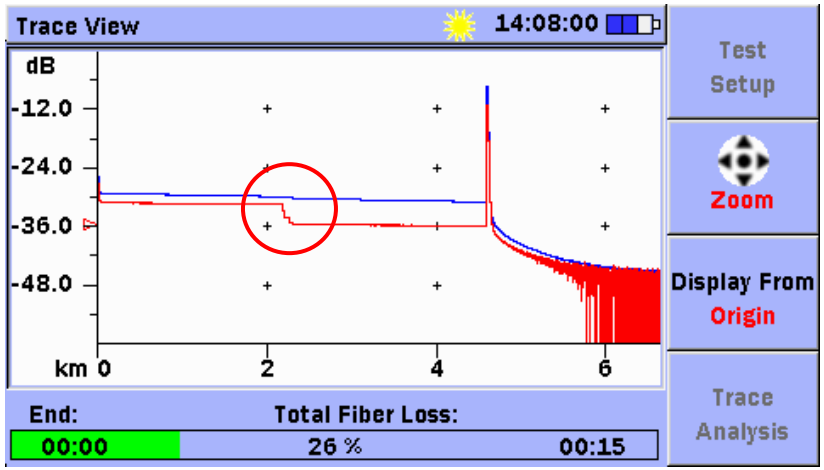
- User selectable Real time sweep mode
  - Select “Fast” for quick screen updates
  - Select “High SN” for “Low Noise” traces while in real time

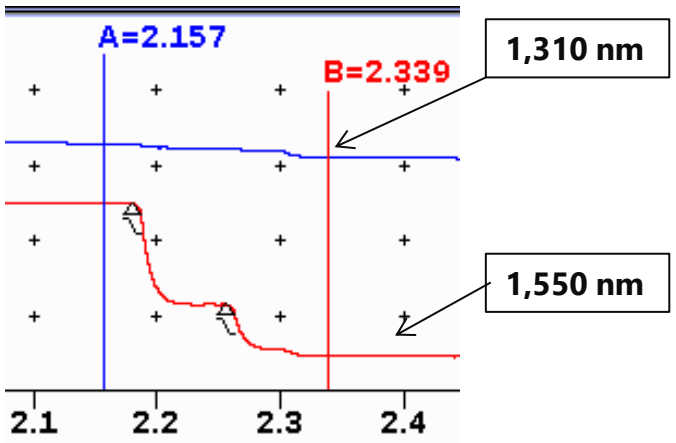


Testing Optical Fiber Anywhere in the Network

Excellent OTDR Performance

- Macro Bend Analysis





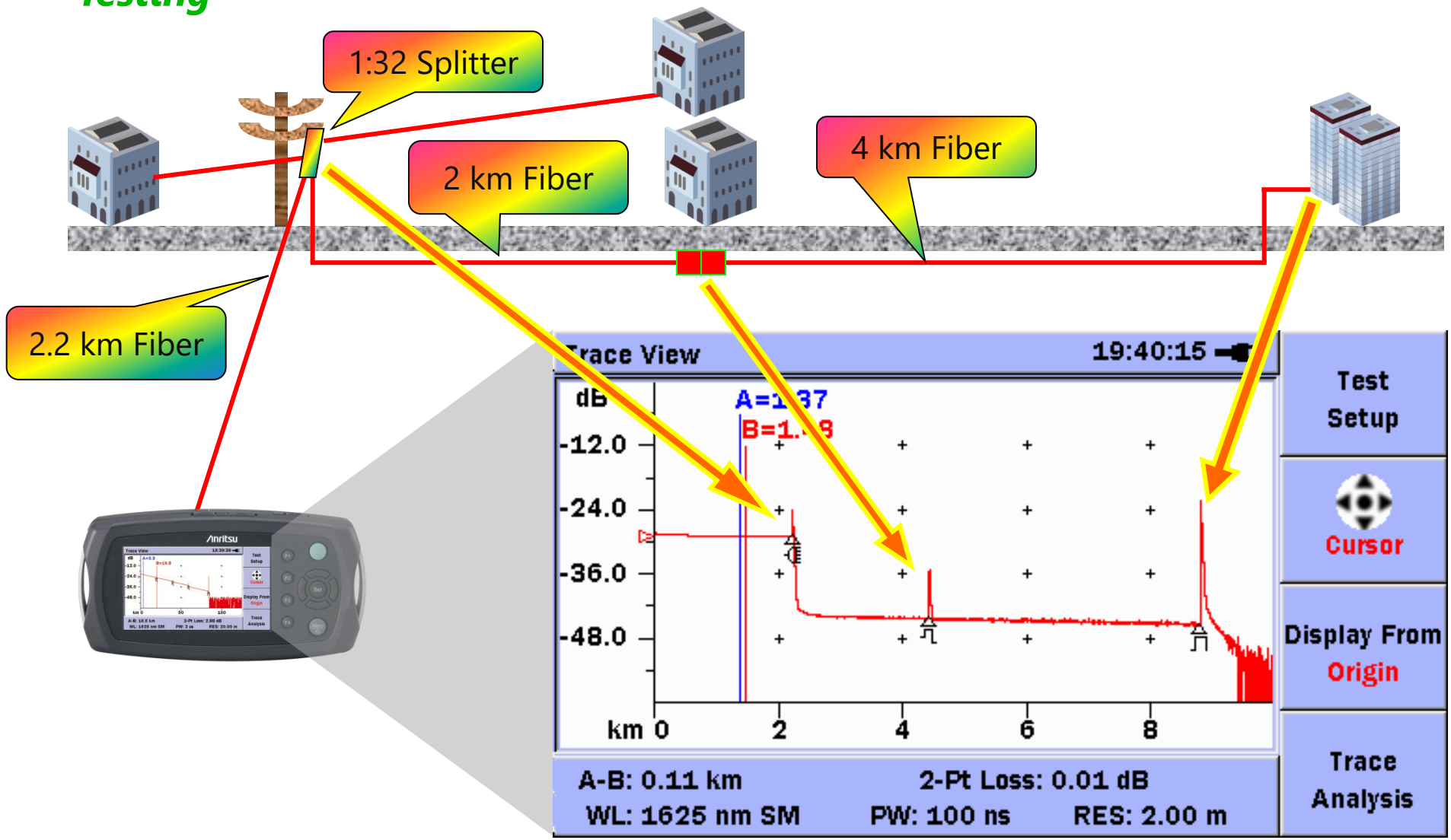
While there is no loss with the 1,310 nm waveform, there are two loss points with the 1,550 nm waveform. From these two waveforms, we are able to determine that there are two bend loss events.

***This function is not included in a single-wavelength model.**

MT9090A µOTDR Module™ Excellent Performance(4/4)

Anritsu
Advancing beyond

Complete PON Measurement for both In-service & Out-of-service Testing



MT9090A µOTDR Module™ Complete test tool for In-service(1/3)

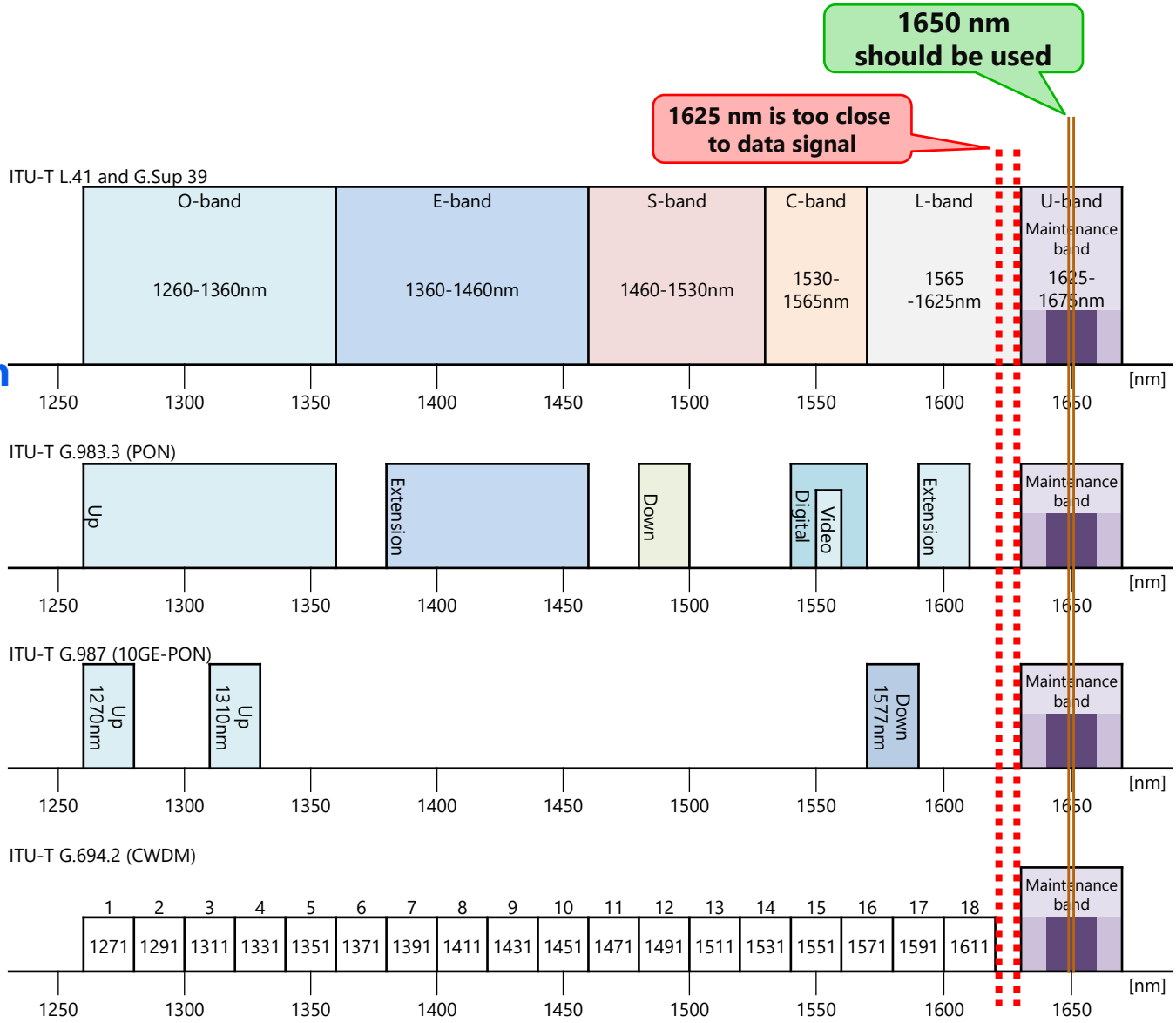
Complete Test tool for In-service Maintenance

Anritsu
Advancing beyond

According to ITU-T recommendation, L.41 and L.66 states that a maintenance wavelength of 1650 nm should be used for testing the Access network.

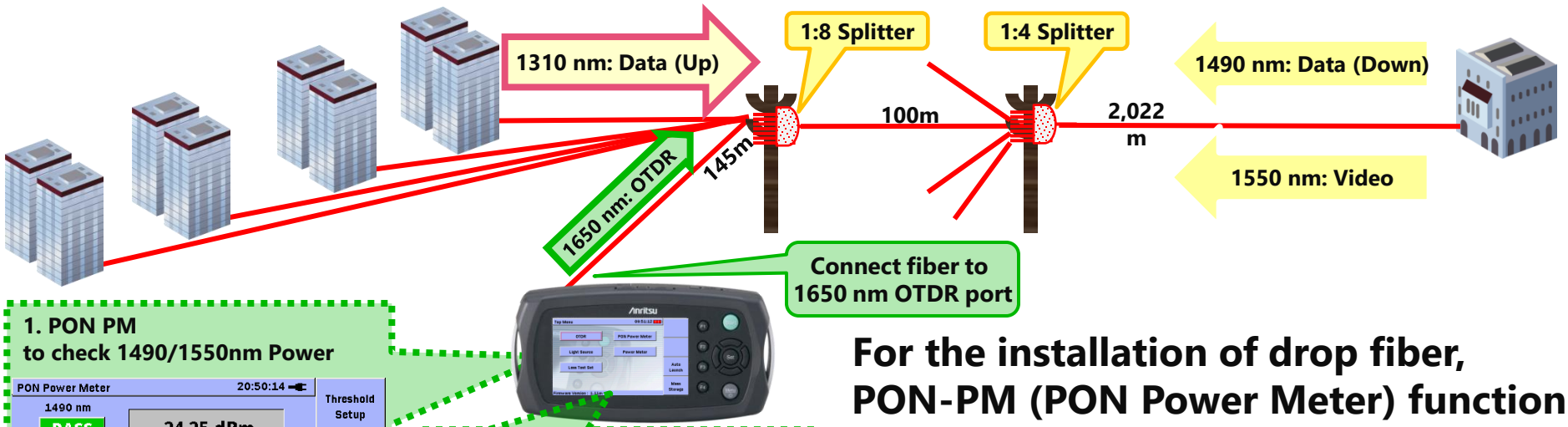
Benefits:

- **Avoid cross-talk**
- **Filter (FBG) characteristics**
- **Fiber loss wavelength dependency**

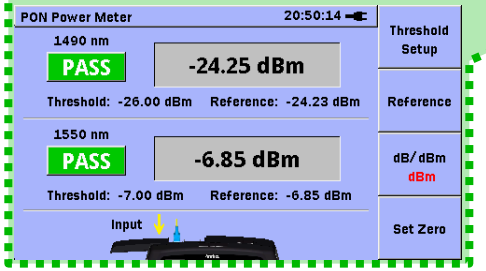


MT9090A µOTDR Module™ Complete test tool for In-service(2/3)

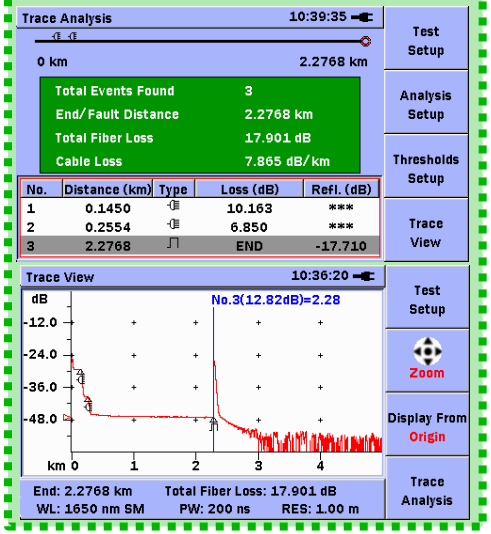
Complete Test tool for In-service (PON Installation)



1. PON PM
to check 1490/1550nm Power



2. 1650nm, in-service OTDR
to check fiber condition from OLT



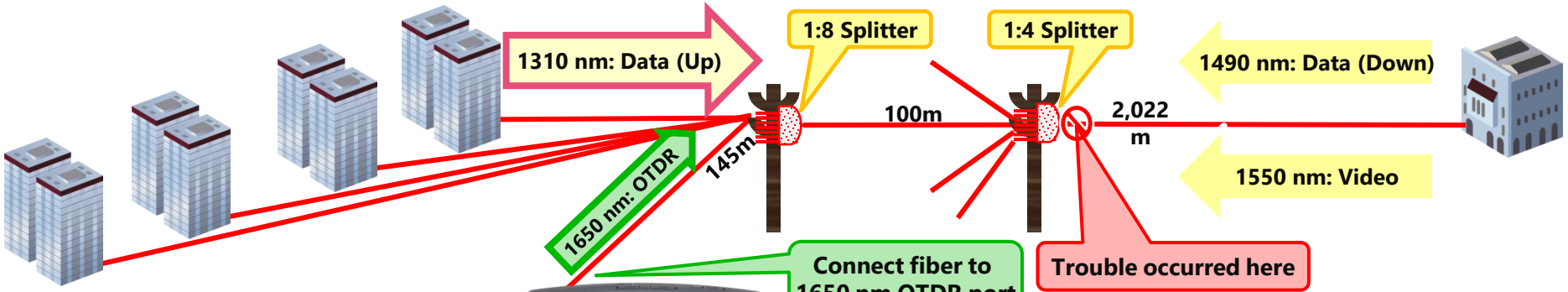
For the installation of drop fiber, PON-PM (PON Power Meter) function and 1650 nm OTDR function are useful.

1.Connect fiber to µOTDR (1650 nm OTDR port) and check the down stream Power of each Wavelength simultaneously
2.Perform the OTDR test, without connection change

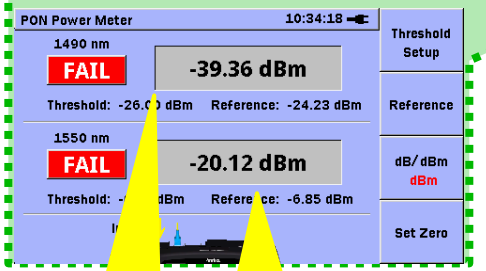
MT9090A µOTDR Module™ Complete test tool for In-service(3/3)

Complete Test tool for In-service (PON Maintenance)

Anritsu
Advancing beyond

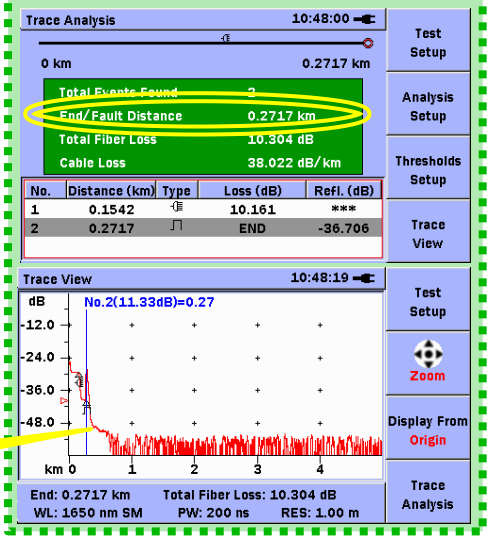


1. PON PM
to check 1490/1550nm Power



Power level too low at both wavelengths

2. 1650nm, in-service OTDR
to check fiber condition from OLT



Cause of the loss

For the maintenance phase, there are very useful PON-PM (PON Power Meter) function and 1650 nm OTDR functions.

1.Connect fiber to µOTDR (1650 nm OTDR port) and check the down stream Power of each Wavelength simultaneously
2.Perform the OTDR test (without connection change) and easily locate fault

MT9090A µOTDR Module™ Unique Battery Operation

Anritsu
Advancing beyond

Dual battery support

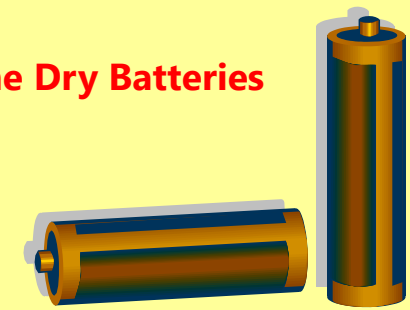
Long battery life

- 8 hours typical (Telcordia GR-196-CORE Issue 2, September 2010) / 4 hour recharge with Standard NiMH Battery pack (Supplied with the original unit)

General Dry Battery operation available

- General NiMH (readily available) operation is available
- Alkaline battery ("AA") operation is also available

Available 4 x AA Type
NiMH
Or
Alkaline Dry Batteries

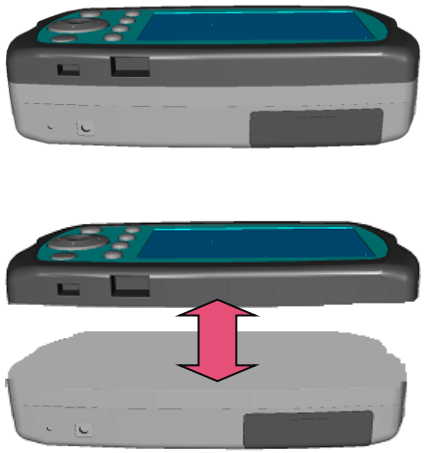


MT9090A µOTDR Module™ Low cost VALUE…*without compromise!*

Anritsu
Advancing beyond

Cost-effective installation and maintenance tool

- Modular platform ensures maximum return on investment
- Simple module swap for testing additional technologies
  - 10/100/1000MB Ethernet
  - CWDM channel analyzer
  - In-service OTDR maintenance

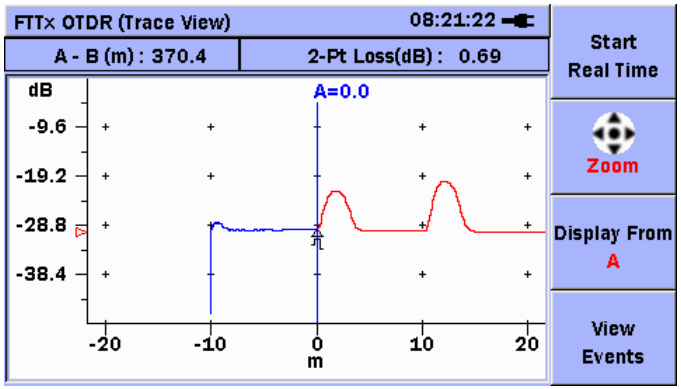


Additional Highlights

Anritsu
Advancing beyond

Built-in 10 m (30 ft) launch fiber

- Measure front-end connection without additional patchcords
- Can be enabled or disabled

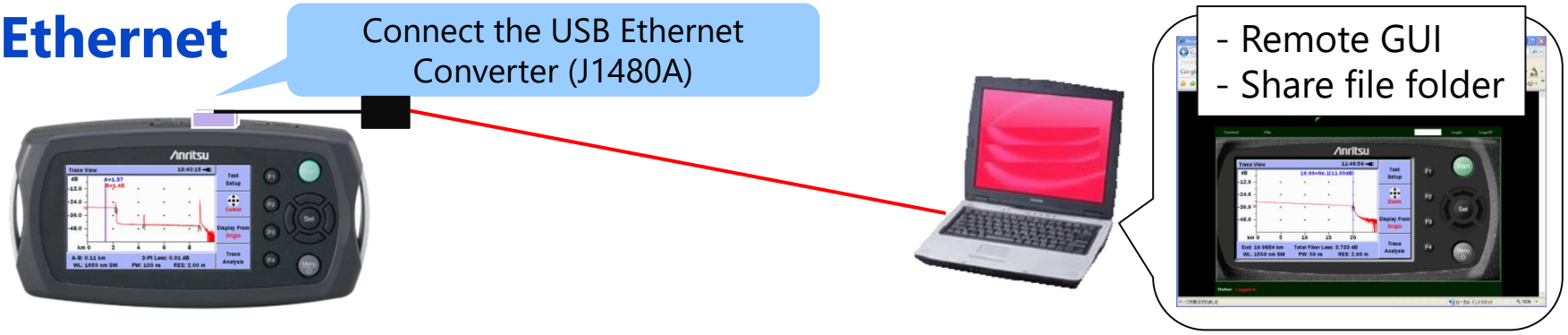


Complete data management

- ~1,000 traces internal/10,000+ with USB
- Easy “drag and drop” transfers to PC
- Reporting and printing with “NETWORKS” PC software

Network Connectivity

Ethernet

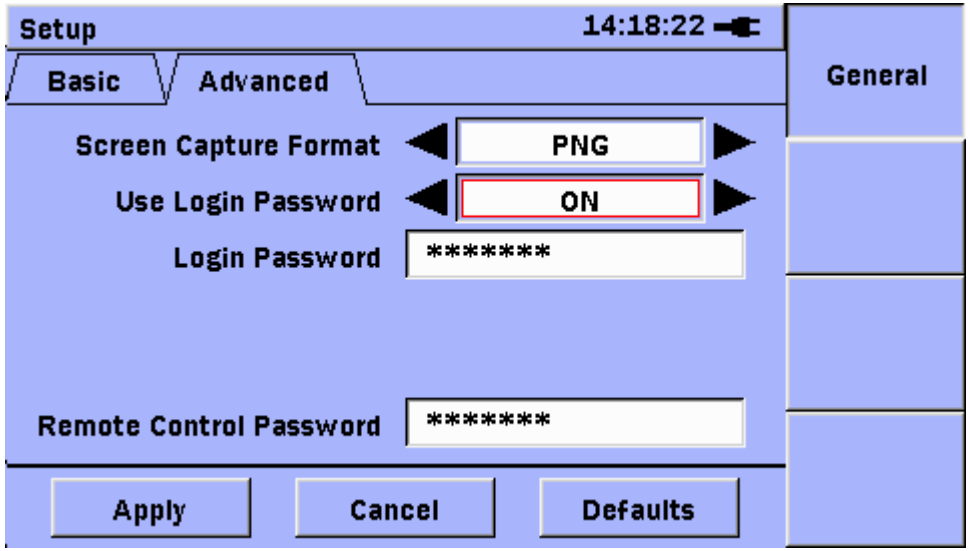


The Wi-Fi and Ethernet features enable you to share files as well as use the remote GUI feature. You can connect the µOTDR and computer, and control the µOTDR from a browser that supports Adobe Flash Player (e.g. IE). Following pages are screen captures illustrating control of the µOTDR using the remote GUI, and sharing files.

Password Protection Feature

When you use this feature, users will be required to enter a password as soon as the system boots. Users will not be able to use the system until the password is authenticated.

This feature is useful if you want to limit the use of your measuring instruments to designated users, or you want to protect important files on the system's on-internal memory.

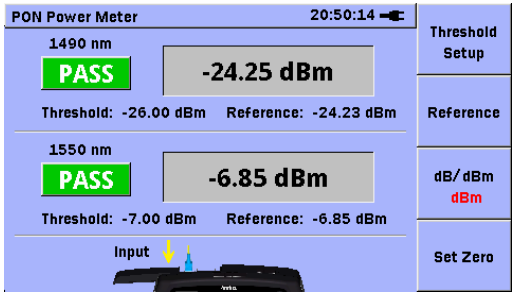


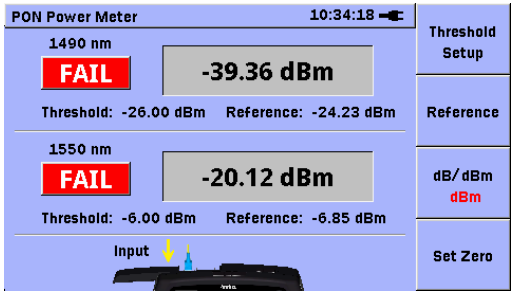
Option Features(1/5)

Anritsu
Advancing beyond

PON Power Meter (PON-PM) Option (A6/C6 Model)

- Same port as 1625/1650 nm OTDR
  Not required to change the connection between OTDR and PON-PM functions
- Simultaneously isolate, test and display 1490/1550 nm downstream signal powers
- User defined thresholds showing “Pass/Fail” condition





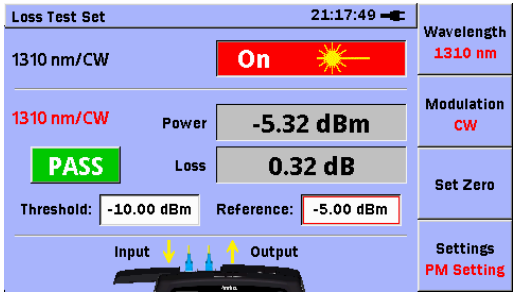
MT9090A µOTDR Module™

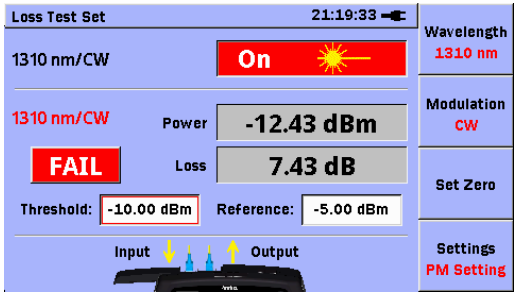
Option Features(2/5)

Anritsu
Advancing beyond

LTS option (C6 Model)

- Selectable wavelength from available OTDR test wavelengths
- Selectable modulation (CW, 270 Hz, 1 kHz, 2 kHz) both LS (Light Source) and PM (Power Meter)
- User defined thresholds showing “Pass/Fail” condition of insertion losses and absolute powers





MT9090A µOTDR Module™

Option Features(3/5)

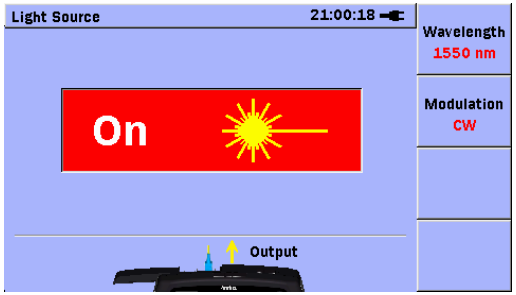
Anritsu
Advancing beyond

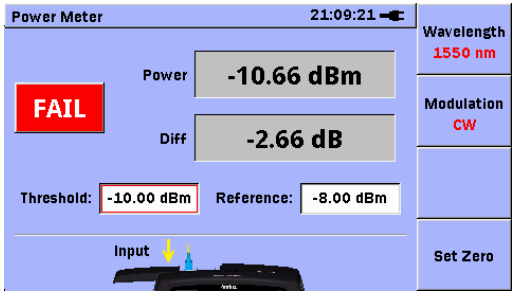
LS Option (A6/C6 Model)

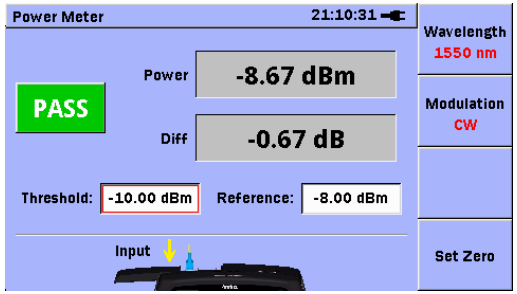
- Selectable wavelength from available OTDR test wavelengths
- Selectable modulation (CW, 270 Hz, 1 kHz, 2 kHz)

PM option (A6/B/B1/C/C6 Model)

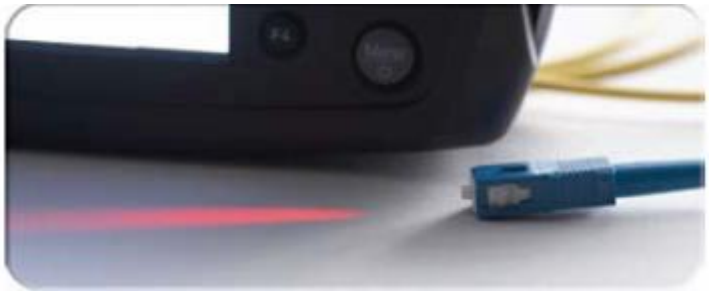
- Selectable wavelength (1310/1490/1550 nm)
- Selectable modulation (CW, 270 Hz, 1 kHz, 2 kHz) **(A6/C/C6 Model)**
- User defined thresholds showing "Pass/Fail" condition of insertion losses and absolute powers **(A6/C/C6 Model)**







Option Features(4/5)



Visual Laser Diode (VLD, Visible Fault Locator) Option

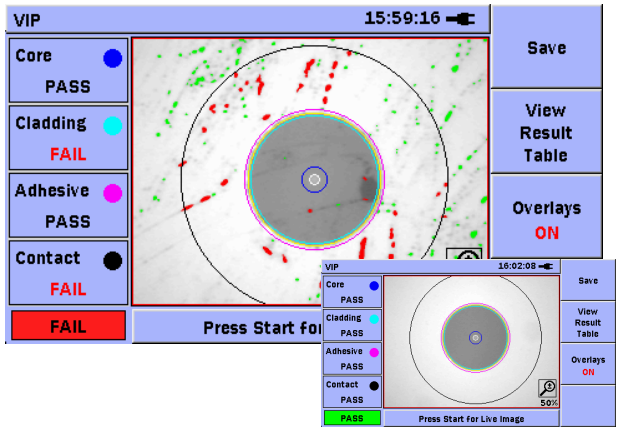
(A1/B1 Model)

- Integrated 650 nm laser
- Can also be used to identify a particular fiber
- Can be used simultaneously with power meter or OTDR

Video Inspection Probe (VIP, Connector inspection) option

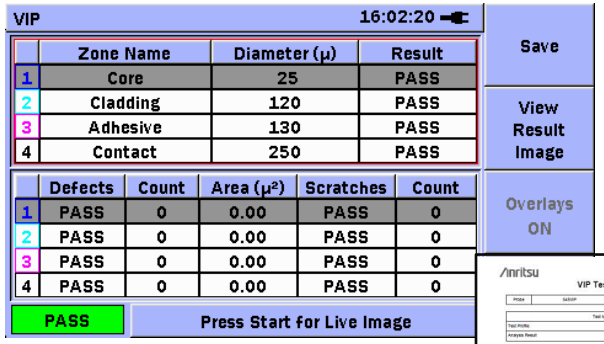
- 400x image displayed
- Pass/Fail Analysis
- All software pre-loaded
- Eye-safe
- Image save/recall
- Hardware includes probe/tips

Option Features(5/5)



When analysis completes, the following information appears:
- Core
- Cladding
- Adhesive
- Contact

As well as a pass/fail determination for the total area for each.

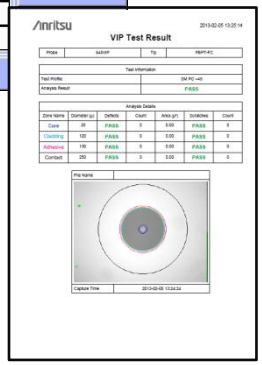


	Zone Name	Diameter (µ)	Result
1	Core	25	PASS
2	Cladding	120	PASS
3	Adhesive	130	PASS
4	Contact	250	PASS

	Defects	Count	Area (µ²)	Scratches	Count
1	PASS	0	0.00	PASS	0
2	PASS	0	0.00	PASS	0
3	PASS	0	0.00	PASS	0
4	PASS	0	0.00	PASS	0

From the Table View, you can identify “defects” or “scratches” on the end of the fiber.

The automatic pass/fail determination is made in accordance with the IEC61300-3-35 standard.



Output PDF Report

You can also create a PDF report on the system.

MT9090A µOTDR Module™

Specifications(1/4)

Anritsu
Advancing beyond

MT9090A Mainframe	
Dimensions and Mass	190 (W) x 96 (H) x 48 (D) mm (7.5" x 3.8" x 1.9") (including mainframe and module) <700 g (1.54 lbs.)(including mainframe, module and Standard battery)
Display	4.3-inch TFT Color LCD (480 x 272 pixels, transmissive)
Interface	USB 1.1, Type A x 1 (memory), Type B x 1 (USB mass storage)

µOTDR Module™ Common (MU909014C/C6, MU909015C/C6, MU909014A1/B/B1 and MU909015B/B1, MU909015A6)	
Fiber Type	10 µm/125 µm SMF (ITU-T G.652)
Distance Range	0.5, 1, 2.5, 5, 10, 25, 50, 75, 125, 250 km (IOR=1.500000)
Pulse Width	5, 10, 20, 50, 100, 200, 500ns, 1, 2, 5, 10, 20µs
Linearity	Which ever is greater ±0.05 dB/dB or ±0.1 dB
Return Loss Measurement Acc	14.8±2 dB
Distance Measurement Acc	±1 m ±3 x Measurement distance x 10^{-5} ±Marker resolution (excluding IOR uncertainty)
Data Storage	Internal memory 40 MB (<1,000 traces)
	External (USB Memory): 1GB (<30,000 traces)
IOR Setting	1.3000 to 1.7000 (0.0001 steps)
Units	Km, m, kft, ft, mi
Other Functions	Integrated launch fiber: 10m (30ft)
	Connection Check: Automatic check of OTDR to FUT connection quality
	Live fiber detect: Verifies presence of communication light in fiber
	Real time sweep: <1 sec (typ.)
Language	User Selectable (English, Simplified Chinese, Traditional Chinese, Korean, Japanese, French, German, Italian, Spanish, Polish, Portuguese, Finnish, Danish, Swedish, Spanish (Latin America), Russian and Dutch)
Power Supply	9V (dc), 100 V (ac) to 240 V (ac), Allowable Input voltage range: 90 V (ac) to 264 V (ac), 50 Hz/60 Hz
Fiber Event Analysis	Automatic, Displayed in table format based on user defined PASS/FAIL thresholds
Loss Measurement Modes	2 point loss, Splice loss, dB/km Loss LSA, ORL, Event
OTDR Trace Format	Telcordia universal (.SOR) issue 2 (SR-4731)
Battery	NiMH (Standard battery), NiMH (AA Type), Alkaline Dry Battery (AA Type)
	Operating time (Standard battery): 8 hours (typ., Telcordia GR-196-CORE Issue 2, September 2010)
	Recharging time: <4 hours (typ.)
Environment	Vibration: MIL-T-28800E Class 3, Dust and Drip proof: IP51
EMC	EN61326-1, EN61000-3-2

MT9090A µOTDR Module™

Specifications(2/4)

Anritsu
Advancing beyond

MU909014C/C6 and MU909015C/C6 µOTDR Module™						
Model Name		MU909015C/C6-057 MU909015C/C6-067	MU909015C/C6-058 MU909015C/C6-068	MU909015C/C6-059 MU909015C/C6-069	MU909014C/C6-057 MU909014C/C6-067	MU909014C/C6-058 MU909014C/C6-068
Center Wavelength		1310/1550±20 nm 1625nm±15nm	1310/1550±20 nm 1650nm±15nm	1310/1490/1550 ±20 nm	1310/1550±20 nm 1625nm±15nm	1310/1550±20 nm 1650nm±15nm
Dynamic Range	PW=20µsec	38dB/37dB/35dB	38dB/37dB/35dB	36dB/35dB/35dB	32.5dB/31dB/32.5dB	32.5dB/31 B/32.5dB
	PW=500nsec	27dB/26dB/25dB	27dB/26dB/24dB	25dB/24dB/24dB	24.5dB/23dB/24dB	24.5 B/23dB/24dB
Dead Zone (IOR=1.500000)		Fresnel: ≤0.8 m (Typical), Backscatter: ≤4.0 m (1310 nm, Typical), ≤4.5 m (1490/1550/ 1625/ 1650 nm, Typical)				
Number of Sampling Points		<250,001 pts (Course: <7,501 pts, Medium: <20,001 pts, Fine: <250,001 pts)				
Sampling Resolution		2 cm (min.)				
Environment		Operating temperature and humidity: -10 to +50°C, <95 % (no condensation)				

MU909014A1/B/B1 and MU909015B/B1 µOTDR Module™					
Model Name		MU909015B/B1-056 MU909015B/B1-066	MU909014B/B1-056 MU909014B/B1-066	MU909014A1-053 MU909014A1-063	MU909014A1-054 MU909014A1-064
Center Wavelength		1310/1550±20 nm	1310/1550±20 nm	1625±15 nm	1650±15 nm
Dynamic Range	PW=20µsec	37 dB/36 dB	32.5 dB/31 dB	32.5 dB	32.5 dB
	PW=500nsec	28 dB/26 dB	24.5 dB/23 dB	24.5 dB	24 dB
Dead Zone		Fresnel: ≤1 m, Backscatter: ≤5 m			
Number of Sampling Points		<125,001 pts (Course: <6,251 pts, Medium: <25,001 pts, Fine: <125,001 pts)			
Sampling Resolution		5 cm (min.)			
Environment		Operating temperature and humidity: -5 to +40°C, <80 % (no condensation)			

MU909015A6 µOTDR Module™			
Model Name		MU909015A6-053 MU909015A6-063	MU909015A6-054 MU909015A6-064
Center Wavelength		1625nm±15nm	1650nm±15nm
Dynamic Range	PW=20µsec	35 dB	35 dB
	PW=500nsec	25 dB	24 dB
Dead Zone (IOR=1.500000)		Fresnel: ≤0.8 m (Typical), Backscatter: ≤4.5 m (Typical)	
Number of Sampling Points		<250,001 pts (Course: <7,501 pts, Medium: <20,001 pts, Fine: <250,001 pts)	
Sampling Resolution		2 cm (min.)	
Environment		Operating temperature and humidity: -10 to +50°C, <95 % (no condensation)	

MT9090A µOTDR Module™

Specifications(3/4)

Anritsu
Advancing beyond

Power Meter			
Models	MU909015C6/14C6, MU909015A6	MU909015C/14C	MU909015B/B1, MU909014B/B1
Wavelength	1310/1490/1550/1625/1650 nm	1310/1490/1550 nm	1310/1490/1550/1625/1650 nm
Fiber Type	10 µm/125 µm SMF (ITU-T G.652)		
Measurement range	-50 to +26 dBm (CW) -40 to +13 dBm (270 Hz, 1 kHz, 2kHz)	-50 to -5 dBm (CW)	
Measurment port	Shared with OTDR port (1625 or 1650 nm OTDR port) Dedicated port (Opt.059 and 069)	Shared with OTDR port 1310/1550 nm OTDR port (Except options 059 and 069) 1310/1490/1550 nm OTDR port (Opt.059 and 069)	
Measurement Accuracy	±0.5 dB		
Modes of Operation	CW, 270 Hz, 1 kHz, 2kHz	CW	

Light Source (through OTDR port)	
Models	MU909015C6/14C6, MU909015A6
Wavelength	Same as OTDR
Fiber Type	10 µm/125 µm SMF (ITU-T G.652)
Wavelength Accuracy	1310/1550±25nm (MU909015C6/14C6) 1490±25nm (MU909015C6-059/15C6-069) 1625±25nm (MU909015C6/14C6-057, MU909015A6-053, MU909015C6/14C6-067, MU909015A6-063) 1650±25nm (MU909015C6/14C6-058, MU909015A6-054, MU909015C6/14C6-068, MU909015A6-064)
Output power	-5±1.5 dBm
Output stability	≤0.2dB
Modes of Operation	CW, 270 Hz, 1 kHz, 2 kHz
Warm-up time	10 minutes (after optical output is turned ON)

Visible Laser Diode	
Models	MU909014A1/B1/15B1
Connector	2.5 mm universal
Wavelength	650±15 nm (CW, +25°C)
Output Power	0±3 dBm (CW, +25°C)
Modulation	CW, 1 Hz

MT9090A µOTDR Module™

Specifications(4/4)

Anritsu
Advancing beyond

PON Power Meter	
Models	MU909015C6/14C6, MU909015A6
Wavelength	1490/1550 nm
Fiber Type	10 µm/125 µm SMF (ITU-T G.652)
Measurment range	-50 dBm to +13 dBm (1490nm, CW), -50 dBm to +26 dBm (1550nm, CW)
Measurment port	Shared with OTDR port (1625 or 1650 nm) Dedicated port (Opt.059 and 069)
Measurement Accuracy	±0.5 dB
Isolation	1490nm: >35 dB, 1550nm: >50 dB

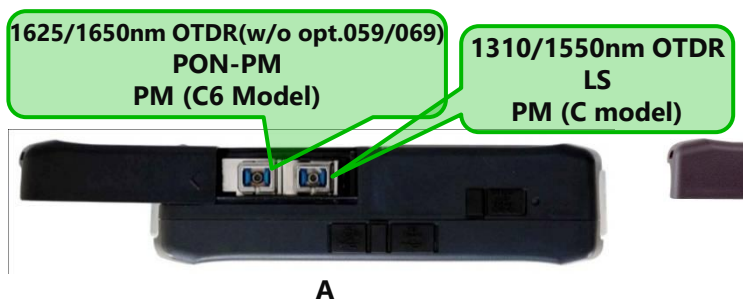
Loss Test Set	
Models	MU909015C6/14C6
Fiber Type	10 µm/125 µm SMF (ITU-T G.652)
Measurement port	Light Source: Shared with OTDR port (1310/1550 nm OTDR port; Except options 059 and 069) Shared with OTDR port (1310/1490/1550 nm OTDR port; Options 059 and 069)
	Power Meter: Shared with OTDR port (1625 or 1650nm OTDR port; Except options 059 and 069) Dedicated port (Options 059 and 069)
Light Source	
Wavelength	1310±25 nm, 1550±25 nm (Except options 059 and 069) 1310±25 nm, 1490±25 nm, 1550±25 nm (Options 059 and 069)
Output Power	-5±1.5 dBm (CW, 25°C)
Output stability	≤0.2dB
Modes of Operation	CW, 270 Hz, 1 kHz, 2 kHz
Warm-up time	10 minutes (after optical output is turned ON)
Power Meter	
Wavelength	1310/1490/1550/1625/1650 nm
Measurement range	-50 to +26 dBm (CW)
	-40 to +13 dBm (270 Hz, 1 kHz, 2kHz)
Measurement Accuracy	±0.5 dB
Modes of Operation	CW, 270 Hz, 1 kHz, 2kHz

MT9090A µOTDR Module™

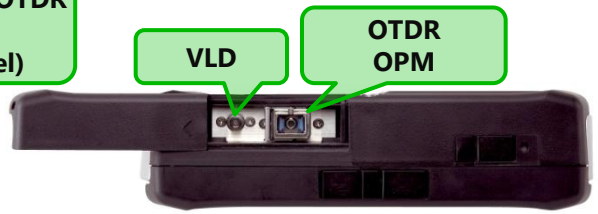
Models and Functions Matrix

	Model No.		Wavelength	Dynamic Range	PM	PON-PM	LTS	LS	VLD	Top view
	PC type	APC type								
Installation / Maintenance Models	MU909014C-057	MU909014C-067	1310/1550/1625 nm	32.5/31/32.5 dB	√					A
	MU909014C-058	MU909014C-068	1310/1550/1650 nm	32.5/31/32.5 dB	√					A
	MU909015C-057	MU909015C-067	1310/1550/1625 nm	38/37/35 dB	√					A
	MU909015C-058	MU909015C-068	1310/1550/1650 nm	38/37/35 dB	√					A
	MU909015C-059	MU909015C-069	1310/1490/1550 nm	36/35/35 dB	√					C
	MU909014C6-057	MU909014C6-067	1310/1550/1625 nm	32.5/31/32.5 dB	√	√	√	√		A
	MU909014C6-058	MU909014C6-068	1310/1550/1650 nm	32.5/31/32.5 dB	√	√	√	√		A
	MU909015C6-057	MU909015C6-067	1310/1550/1625 nm	38/37/35 dB	√	√	√	√		A
	MU909015C6-058	MU909015C6-068	1310/1550/1650 nm	38/37/35 dB	√	√	√	√		A
	MU909015C6-059	MU909015C6-069	1310/1490/1550 nm	36/35/35 dB	√	√	√	√		A
General Purpose Models	MU909014B-056	MU909014B-066	1310/1550 nm	32.5/31 dB	√					C
	MU909014B1-056	MU909014B1-066	1310/1550 nm	32.5/31 dB	√				√	B
	MU909015B-056	MU909015B-066	1310/1550 nm	37/36 dB	√					C
	MU909015B1-056	MU909015B1-066	1310/1550 nm	37/36 dB	√				√	B
Maintenance Models	MU909014A1-053	MU909014A1-063	1625 nm	32.5 dB					√	B
	MU909014A1-054	MU909014A1-064	1650 nm	32.5 dB					√	B
	MU909015A6-053	MU909015A6-063	1625 nm	35 dB	√	√		√		C
	MU909015A6-054	MU909015A6-064	1650 nm	35 dB	√	√		√		C

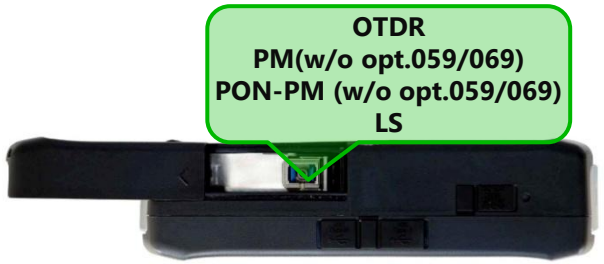
Top View of µOTDR Module™



A



B



C

MT9090A µOTDR Module™

Models and Software Application Matrix

	Model No.		Wavelength	Dynamic Range	**Fiber Visualizer**	**DCFL Mode**
	PC type	APC type				
Installation / Maintenance Models	MU909014C-057	MU909014C-067	1310/1550/1625 nm	32.5/31/32.5 dB	√	
	MU909014C-058	MU909014C-068	1310/1550/1650 nm	32.5/31/32.5 dB	√	
	MU909015C-057	MU909015C-067	1310/1550/1625 nm	38/37/35 dB	√	
	MU909015C-058	MU909015C-068	1310/1550/1650 nm	38/37/35 dB	√	
	MU909015C-059	MU909015C-069	1310/1490/1550 nm	36/35/35 dB	√	
	MU909014C6-057	MU909014C6-067	1310/1550/1625 nm	32.5/31/32.5 dB	√	√
	MU909014C6-058	MU909014C6-068	1310/1550/1650 nm	32.5/31/32.5 dB	√	√
	MU909015C6-057	MU909015C6-067	1310/1550/1625 nm	38/37/35 dB	√	√
	MU909015C6-058	MU909015C6-068	1310/1550/1650 nm	38/37/35 dB	√	√
	MU909015C6-059	MU909015C6-069	1310/1490/1550 nm	36/35/35 dB	√	
General Purpose Models	MU909014B-056	MU909014B-066	1310/1550 nm	32.5/31 dB	√	
	MU909014B1-056	MU909014B1-066	1310/1550 nm	32.5/31 dB	√	
	MU909015B-056	MU909015B-066	1310/1550 nm	37/36 dB	√	
	MU909015B1-056	MU909015B1-066	1310/1550 nm	37/36 dB	√	
Maintenance Models	MU909014A1-053	MU909014A1-063	1625 nm	32.5 dB	√	
	MU909014A1-054	MU909014A1-064	1650 nm	32.5 dB	√	
	MU909015A6-053	MU909015A6-063	1625 nm	35 dB	√	√
	MU909015A6-054	MU909015A6-064	1650 nm	35 dB	√	√

MT9090A µOTDR Module™

Ordering Guide

Must be ordered as separate line items

Product Number	Product Name
MT9090A	Mainframe

Product Number	Product Name
MU909014A1	µOTDR Module
MU909014B	µOTDR Module
MU909014B1	µOTDR Module
MU909014C	µOTDR Module
MU909014C6	µOTDR Module
MU909015A6	µOTDR Module
MU909015B	µOTDR Module
MU909015B1	µOTDR Module
MU909015C	µOTDR Module
MU909015C6	µOTDR Module

Product Number	Product Name
MU909014A/B/C-025	FC-APC Connector key width 2.0mm
MU909014A/B/C-026	SC-APC Connector
MU909014A/B/C-037	FC Connector
MU909014A/B/C-039	DIN Connector
MU909014A/B/C-040	SC Conector
MU909015A/B/C-025	FC-APC Connector key width 2.0mm
MU909015A/B/C-026	SC-APC Connector
MU909015A/B/C-037	FC Connector
MU909015A/B/C-039	DIN Connector
MU909015A/B/C-040	SC Conector

(1) Main frame (if customer already owns a mainframe this item may not be required)

(2) µOTDR Module

(3) µOTDR Option
- **Wavelength**
- **Dynamic Range**
- **Functions**

(4) Optical Connector type

Product Number	Product Name	Remarks
MU909014C-057 MU909014C-067	SMF 1310/1550/1625nm µOTDR Module (UPC) SMF 1310/1550/1625nm µOTDR Module (APC)	32.5/31/32.5 dB
MU909014C-058 MU909014C-068	SMF 1310/1550/1650nm µOTDR Module (UPC) SMF 1310/1550/1650nm µOTDR Module (APC)	32.5/31/32.5 dB
MU909015C-057 MU909015C-067	SMF 1310/1550/1625nm µOTDR Module (UPC) SMF 1310/1550/1625nm µOTDR Module (APC)	38/37/35 dB
MU909015C-058 MU909015C-068	SMF 1310/1550/1650nm µOTDR Module (UPC) SMF 1310/1550/1650nm µOTDR Module (APC)	38/37/35 dB
MU909015C-059 MU909015C-069	SMF 1310/1490/1650nm µOTDR Module (UPC) SMF 1310/1490/1650nm µOTDR Module (APC)	36/35/35 dB
MU909014C6-057 MU909014C6-067	SMF 1310/1550/1625nm µOTDR Module (UPC/OPM/LS) SMF 1310/1550/1625nm µOTDR Module (APC/OPM/LS)	32.5/31/32.5 dB
MU909014C6-058 MU909014C6-068	SMF 1310/1550/1650nm µOTDR Module (UPC/OPM/LS) SMF 1310/1550/1650nm µOTDR Module (APC/OPM/LS)	32.5/31/32.5 dB
MU909015C6-057 MU909015C6-067	SMF 1310/1550/1625nm µOTDR Module (UPC/OPM/LS) SMF 1310/1550/1625nm µOTDR Module (APC/OPM/LS)	38/37/35 dB
MU909015C6-058 MU909015C6-068	SMF 1310/1550/1650nm µOTDR Module (UPC/OPM/LS) SMF 1310/1550/1650nm µOTDR Module (APC/OPM/LS)	38/37/35 dB
MU909015C6-059 MU909015C6-069	SMF 1310/1490/1550nm µOTDR Module (UPC/OPM/LS) SMF 1310/1490/1550nm µOTDR Module (APC/OPM/LS)	36/35/35 dB
MU909014B-056 MU909014B-066	SMF 1310/1550nm µOTDR Module (UPC) SMF 1310/1550nm µOTDR Module (APC)	32.5/31 dB
MU909014B1-056 MU909014B1-066	SMF 1310/1550nm µOTDR Module (UPC/VLD) SMF 1310/1550nm µOTDR Module (APC/VLD)	32.5/31 dB
MU909015B-056 MU909015B-066	SMF 1310/1550nm µOTDR Module (UPC) SMF 1310/1550nm µOTDR Module (APC)	37/36 dB
MU909015B1-056 MU909015B1-066	SMF 1310/1550nm µOTDR Module (UPC/VLD) SMF 1310/1550nm µOTDR Module (APC/VLD)	37/36 dB
MU909014A1-053 MU909014A1-063	SMF 1625nm µOTDR Module (UPC/VLD) SMF 1625nm µOTDR Module (APC/VLD)	32.5 dB
MU909014A1-054 MU909014A1-064	SMF 1650nm µOTDR Module (UPC/VLD) SMF 1650nm µOTDR Module (APC/VLD)	32.5 dB
MU909015A6-053 MU909015A6-063	SMF 1310/1550/1625nm µOTDR Module (UPC/OPM/LS) SMF 1310/1550/1625nm µOTDR Module (APC/OPM/LS)	35 dB
MU909015A6-054 MU909015A6-064	SMF 1310/1550/1625nm µOTDR Module (UPC/OPM/LS) SMF 1310/1550/1625nm µOTDR Module (APC/OPM/LS)	35 dB

MT9090A µOTDR Module™

Accessories(1/2)

Mainframe with Protector

B0663A Protector

The mainframe with fitted protector (Includes a shoulder strap)

*Standard Accessory

*Standard Accessory

B0601B Standard Soft Case

This standard accessory accommodates the mainframe with fitted protector

B0602A Deluxe Soft Case

Full Network Master operation without removal from the case.
This does not accommodate the mainframe if the protector is fitted.

B0600B Hard Case

This accommodates two mainframes (with or without fitted protector), accessories (LS or PM, backup battery, fiber cleaner, etc.).

Accessories(2/2)

G0306C
Video Inspection Probe

400x Fixed type

1.25mm
PC Male

2.5mm
PC Female (FC)

2.5mm
PC Female (SC)

2.5mm
APC Female (SC)

2.5mm
APC Male

1.25mm
PC Female (LC)

2.5mm
PC Male

Anritsu

Advancing beyond

公知 2026-7 MJM No. MU909014x/15x-E-L-3-(6.00)