Green is life tmg

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Test & Measurement

- sales
- rentals
- calibration
- repair
- disposal

Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

If you click on the "Click-to-Call" logo below, you can all us for FREE!

TMG Corporate Website **TMG Products Website**

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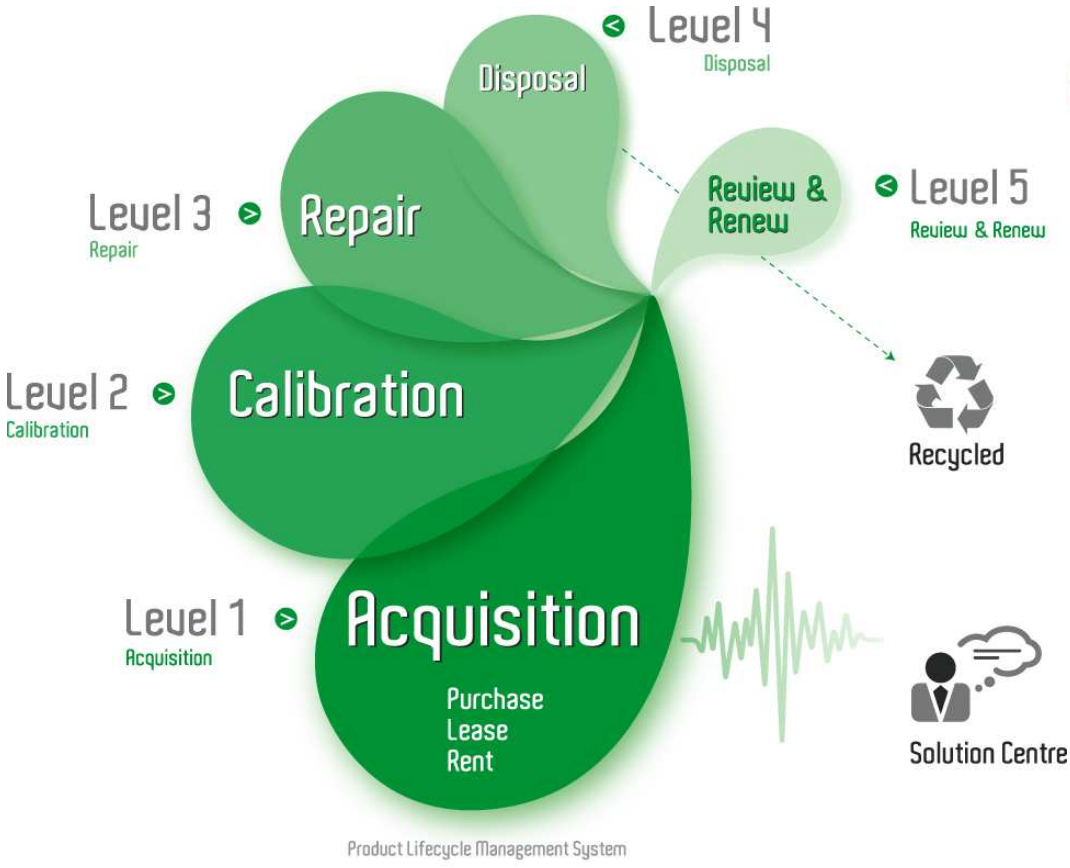


YOKOGAWA

0.8m Dead-zone

Optical Time Domain Reflectometer

AQ7270 OTDR

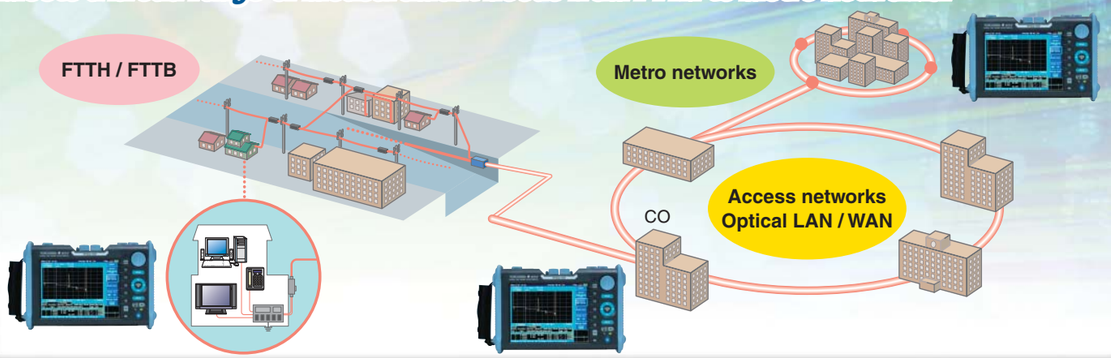
- Short dead zone (0.8 m)
- Wide range of models available supporting FTTH to metro networks
- High performance & easy to use OTDR
- Bright & high contrast 8.4 inch LCD screen

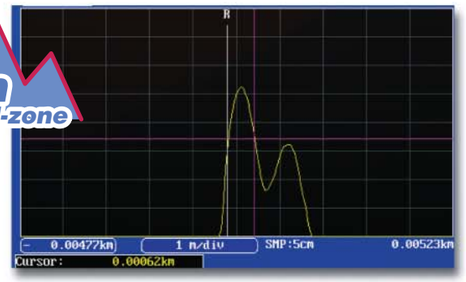
fiberXplorer™

Superior cost performance, easy to operate. Makes your work more efficient.

fiberXplorer™ AQ7270 OTDR

Meets a broad range of measurement needs from FTTH to metro networks.





Measure Near ...

— Can detect closely spaced events (up to 0.8m*)

Accompanying the rapid proliferation of FTTH is a growing need for detection of reflective events arising from short-distance mechanical connections. The AQ7270's event dead zone is the shortest in the world, enabling detection of closely spaced events.

*: Based on company research of the field use OTDR, as of November 2006

... or Far ...

— High dynamic range (up to 40dB)

The high dynamic range of the AQ7270 enables accurate measurement of optical fibers in short periods of time. This makes it a powerful tool for evaluation of metro networks with relay distances in excess of 100 km, or FTTH (PON) and other short optical fiber networks with large insertion loss originating from optical couplers.

... and Fast

— Powers-up quickly (in 10 seconds or less)

Now measurements can be started quickly upon arrival at the site. 10 seconds to power-up from completely OFF to fully ON! With such a fast power-up time, battery life can be extended by turning the power off while not in use at the job site without any concern about the power-up time when the next job is ready. It's ready when you're ready!

◀ Optical power monitor screen

Use as an Optical Powermeter — Power Monitoring Function

Using the power monitor (factory option), you can check optical power for link loss testing or when troubleshooting. Useful for checking the optical power at the ONU's receiver in FTTH.

Light source screen ▶

Use as a Light Source — Light Source Function

The light source (factory option) can be used for optical fiber identification.

Choose an Ideal OTDR — 11-Model Lineup

From 1- to 4-wavelength models

The AQ7270 comes in eleven models combining different measurement wavelengths and dynamic ranges. Supported wavelengths: 1310, 1490, 1550, 1625, 1650 nm (single mode), 850, and 1300 nm (multi mode).

Typical Model

Applicable Fiber	Number of Wavelengths	Wavelength	Dynamic Range	Model	Descriptions
SMF	1	1550nm	32dB	735020	1550 nm model for access networks and FTTH
	2	1310/1550nm	34/32dB	735022	For installation and maintenance of access networks and FTTH
			40/38dB	735023	For installation and maintenance of metro networks and access networks
		1550/1625nm	38/35dB	735024	Supporting maintenance wavelength 1625nm
	3	1310/1490/1550nm	34/30/32dB	735025	Three-wavelength model for installation and maintenance of PON systems, supporting 1490 nm
		1310/1550/1625nm	34/32/28dB	735026	Three-wavelength model, supporting a maintenance wavelength of 1625nm
			40/38/35dB	735028	High dynamic range three-wavelength model, supporting a maintenance wavelength of 1625nm
MMF	2	850/1300nm	22.5/24dB	735029	Multimode fiber model for LAN maintenance
MMF/SMF	4	850/1300/1310/1550nm	34/32/22.5/24dB	735030	Four-wavelength model for installation and maintenance of LAN and FTTH with support for both multimode and single mode fiber.

Easy of Operation, Supporting Beginners and Experts

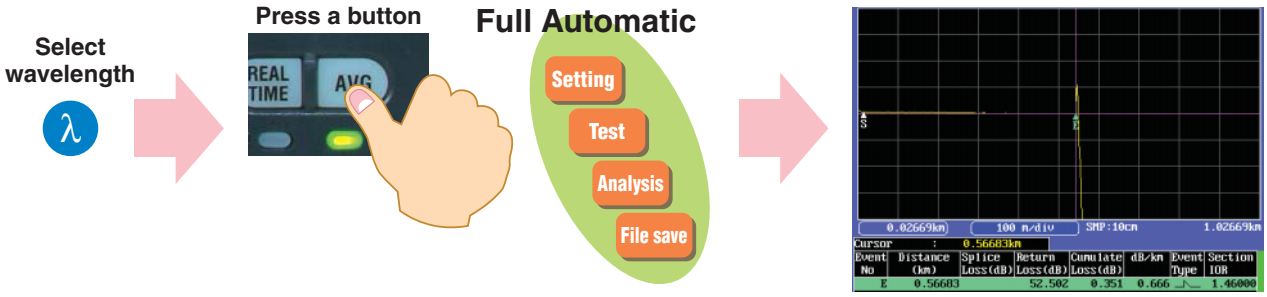
The worldwide spread of broadband services has stimulated the installation of optical fiber in metro and access networks, which in turn has increased the demand for portable and reliable test equipment to aid the installation and maintenance of these networks. Our new OTDR has been developed to address these challenges with particular aims of improving operability to boost work efficiency and cost-effectiveness. The AQ7270 carries forward the basic operation of its predecessors (the AQ7250 and AQ7260 OTDR), while adding a Detail mode for trained technicians with functions for setting of measurement conditions and performing manual measurements.

☑ Automated Measurement Function Increases Working Efficiency!

Automatic Setting of Measurement Conditions –Full Auto Mode

Simply choose the measured wavelength, then press a button.

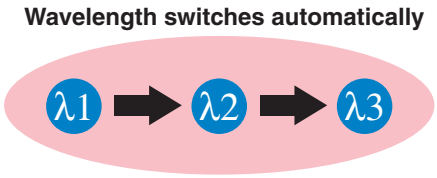
The AQ7270 automatically sets the optimal measurement conditions, performs measurement, performs event analysis, and saves data. Because you can save to a different file name each time you execute, measurement and accumulation of data is easy.

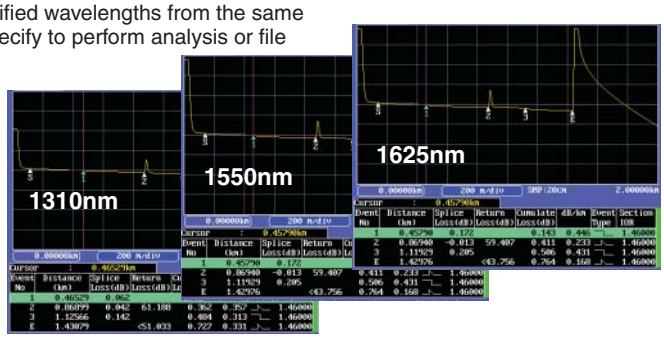


Measurement with Auto Wavelength Switching –Multi Wavelength Measurement Mode

Prepare multiple wavelengths to measure, then press a button.

Multi Wavelength Measurement is a mode in which multiple specified wavelengths from the same optical port are measured automatically in order. You can also specify to perform analysis or file saving as needed for each measurement.

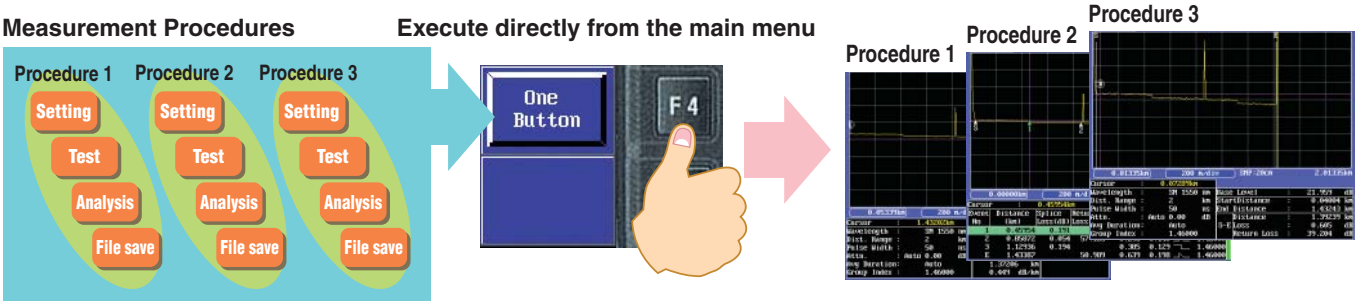




Macro's with Predefined Procedures –One Button Mode

Simply choose previously set measurement procedures, then press a button.

You can execute up to five saved measurement procedures in order. A batch of measurement procedures can be run directly from the main menu. Measurement and analysis conditions can be read from a file, making it easy to set up the measurement procedures.



Easy Operation with the Assistance Function!

Measurement Wizard –Assistance setting up measurements

Displays detailed explanations of parameters in the measurement conditions setting menu, and gives guidelines for setting methods. This function assists unskilled users.

Trained users can enter settings freely in Detail mode.

Measurement Wizard Menu

ACTIVE LINE ALARM –Checking for communication light

Never disturb communication lines

There may be concern that technicians inputting the OTDR measurement signal into the communication line could cause communication errors. The live line alarm monitors the fiber's optical power level and diplays an alarm message if it detects optical power at or higher than a specified threshold level, in order to warn the technician not to mistakenly feed the signal into the communication line.

Active Line Alarm Message

PLUG CHECK FUNCTION –Checking the connection with the OTDR

Never spoil measurements with poor connections or dirty plugs

The plug check function monitors the condition of the OTDR's optical input/output connectors and displays an alarm if the connection is not properly made. This function is useful for checking for damage, dirt, or other problems with optical plugs at the OTDR or on the fiber under test, and for helping technicians to remember to connect the fiber under test.

Plug Check Alarm Message

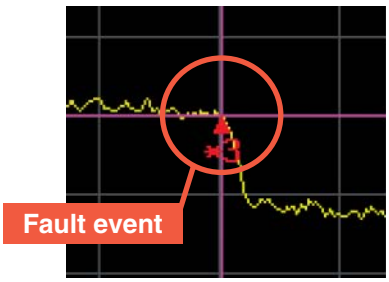
Detecting Abnormal Events –Fault Event Display Function

The fault event display function detects abnormal connection or reflection points and displays them. Of the events detected by the event detection function, abnormal events that cross a specified threshold value are highlighted in the event table and waveform display.

Fault event

Event No	Distance (km)	Splice Loss(dB)	Return Loss(dB)	Cumulate Loss(dB)	dB/km	Event Type	Section IOR
1	0.44564	-0.072		0.783	2.067		1.48000
2	0.84975	0.049	56.511	0.892	0.449		1.48000
*3	1.11207	0.206		1.037	0.366		1.48000
E	1.41085		<46.858	1.340	0.324		1.48000

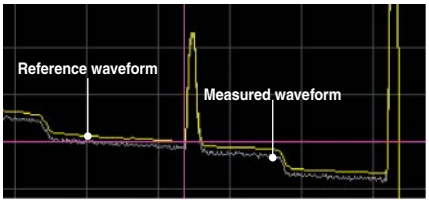
Analysis results with Fault Event Display



Fault Event Indication on the waveform

Measurement with Comparison to Reference Waveform –Trace Fix Function

You can freeze the display of one trace and overlap it with real time or averaged waveforms for comparison. This is useful to create a template when installing multicore fiber, or for checking aged deterioration during maintenance on existing fiber networks. In addition to the last-measured waveform, a waveform can be loaded from a file to be used as the reference waveform.



Trace Fix Function

SETUP KEY –Jump to measurement condition setting menu

With the new SETUP button on the front panel, it is easy to move to the measurement condition setting menu.

Bright 8.4-Inch LCD Screen Easy to Operate with Rotary knob & Arrow Keys

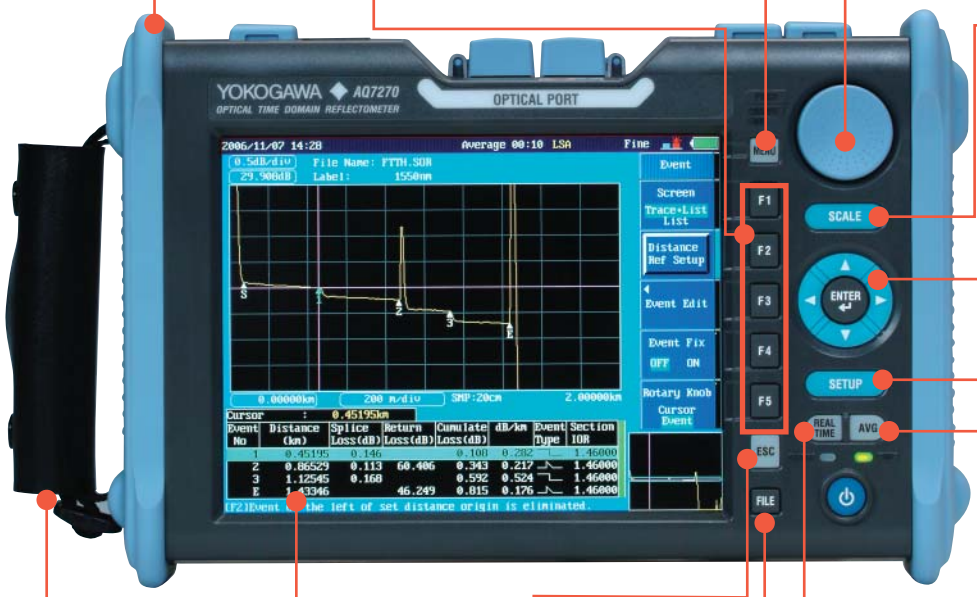
Front panel

Bumper
Protects the unit from external shocks. Essential for work in the field.

Soft keys
Soft keys are used for menu operation.

Menu key
Moves to the main menu. You can select a variety of measurement functions in the main menu.

Rotary knob
Helps you to easily move the cursor and change parameters. Also, you can press the knob to toggle between fine and coarse adjustment.



Scale key
Switches between zooming in/out on the trace, or horizontal/vertical shift.

Arrow keys/Enter key
These keys are used to select and enter items when setting conditions. They can also be used for scaling in the OTDR trace display.

Setup key
Move to the measurement condition settings menu.

Average key
Starts/stops measurement.

Real time key
Starts/stops real time measurement.

Hand belt
For carrying or holding during one hand operation.

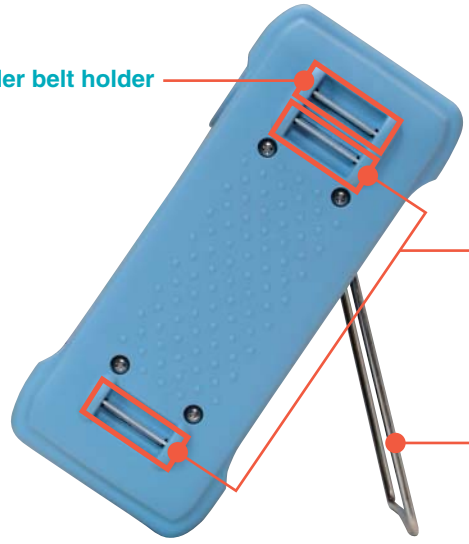
LCD display
8.4-inch high intensity TFT LCD with three brightness settings.

Escape key
Escapes from menus.

File key
Opens the file menu.

Side panel

Shoulder belt holder



Hand belt holder

Stand
To fix the unit when on a work bench.

Top panel (Shown with optional Printer/LAN installed)

OTDR optical I/O port

Printer paper feed button

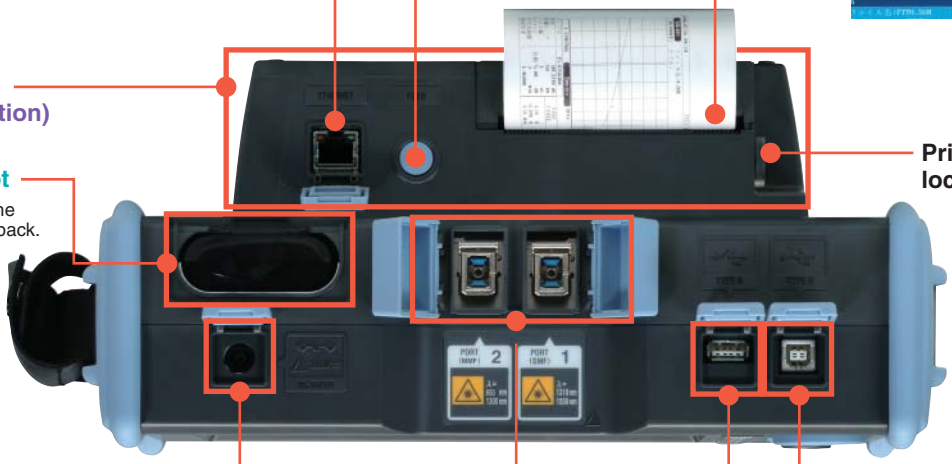
Built-in printer
Prints the measured results or screen display

Ethernet connector
Used for remote control and FTP (File Transfer Protocol).

Printer/LAN (Factory option)

Battery slot
Slot for mounting the accessory battery pack.

Printer paper lock lever



DC power connector
Connector for the accessory AC adapter.

OTDR optical I/O port
Light Source/ Power Monitor port (Factory option)

USB (Type A)
A port for connecting external memory or an external printer.

USB (Type B)
A port for connecting to an external PC for remote control or accessing the OTDR's internal memory.

OTDR Screen

Measured trace

Soft key menu

Event table

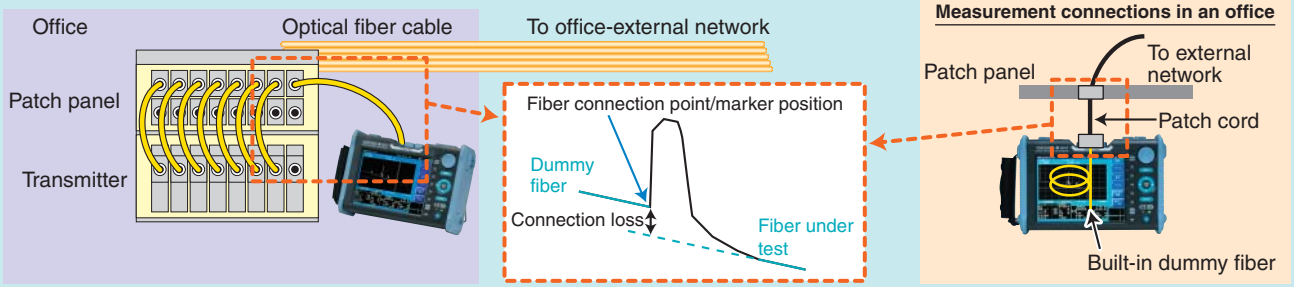
Overall trace display

Key Functions

Built-in Dummy Fiber (Factory Option)

Excellent for detecting faults in fiber patch panels!

Fibers in offices frequently involve short distances between connectors. By using the dummy fiber, you can check whether there is any abnormal near-end connection loss. Also, by measuring the connection loss at the near-end connector, you can determine the total fiber loss including that of the connector.

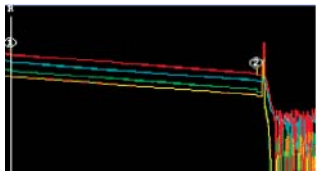


Trace Analysis Functions

For Evaluation of Multicore Fiber
—Multi Trace Analysis

Up to four traces can be overlaid on the display for analysis and comparison.

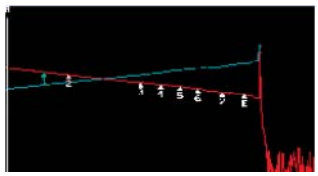
This is useful for evaluating connection point locations and loss after installing multicore fiber.



For Accurate Splice Loss Measurement by Bi-directional Testing
—2 Way Trace Analysis

Merges the two traces measured from both directions and finds the correct splice loss.

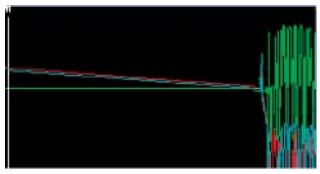
Connection loss in lines where optical fibers of differing backscatter coefficients are connected can differ depending on the direction. In such cases, you can accurately determine the loss by measuring in both directions and taking an average.



For Evaluation of Aged Deterioration
—Differential Trace Analysis

Displays the difference between two specified traces.

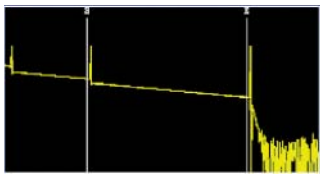
Makes it simple to check aged deterioration of fibers or connection points, or fluctuation in loss between fibers, and other phenomena.



For Evaluation of Total Return Loss
—Section Analysis

Finds the total return loss in specific portions of the fiber.

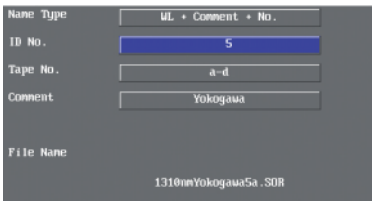
This type of evaluation is often requested because the multiple reflections from optical fiber networks can affect signal light from transmitters (cable TV etc.).



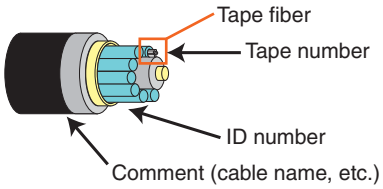
Smart File Function

Because the AQ7270 makes it easy to differentiate between measured optical fibers—even complex ones—you can add arbitrary information to file names such as measured wavelength, ID number, tape number, or comments. You can also have the ID number or tape number automatically updated and saved after each measurement.
Trace data can be saved in SOR and CSV format. Also, you can save screenshots as BMP, JPG, or PNG files. TRB or TRD files saved on Yokogawa's previous AQ7250 and AQ7260 models can also be loaded.

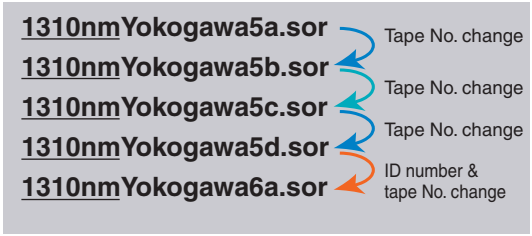
File name setting screen



Concept of the file name structure



Automatic updating of file names



Language Selection

In addition to English (standard), you can select a display language of French, German, Chinese, Korean, Russian, and others.

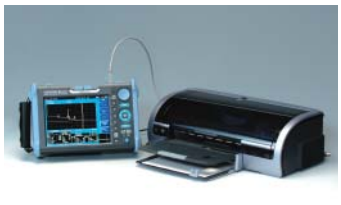
USB Function

USB connectivity makes it more convenient to output to external memory or printers, and to set up communication. The AQ7270 comes standard with two USB1.1 compliant connector ports (Type A and Type B).

• Saving Files to USB Memory—Type A

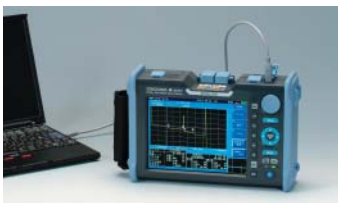
Using USB memory or a USB hard disk, you can save large amounts of data. Also, you can easily transfer saved data to a PC or other device.

• Printing on an External Printer—Type A



You can print screen images or measured data on USB printers.

• Remotely Controlling the AQ7270 from a PC—Type B



The AQ7270 can be remotely controlled from an external PC by connecting a USB cable from one to the other.*

• Accessing the AQ7270 Internal Memory from a PC—Type B

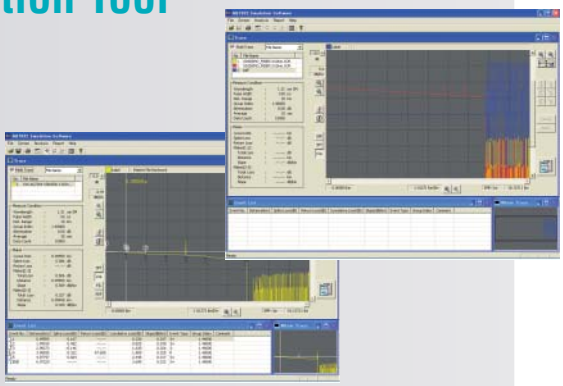
You can easily access to internal memory with USB cable from a PC.*

*: USB type A - type B cable required for remote control.

Measured Data Analysis and Report Creation Tool

AQ7932 OTDR Emulation Software (Sold Separately)

AQ7932 is application software that performs analysis of trace data measured by the AQ7270 OTDR on a PC, and creates reports. The report creation wizard makes this task simple. AQ7270 OTDR data can be easily loaded onto a PC using USB memory or the communication interface.

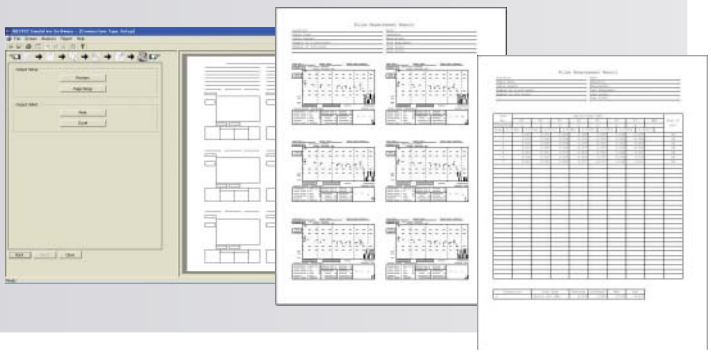


Trace Analysis

You can edit event search conditions, approximate curve line settings, and other conditions, and then repeat the analysis. And now it is even easier to operate; simply click the function icon with the mouse.

Analysis Functions

Display up to eight traces on screen and perform a variety of different analyses including: multi trace analysis, differential trace analysis for comparing recent waveforms with old ones, and 2 way trace analysis function for analyzing average values of data measured from both directions in the optical fiber.



Creating Reports

Compiles trace and measured values from trace files and creates a report. Reports can also be created in Excel or CSV format. Reports are easy to create by following the step-by-step instructions in the report wizard.

Note Operating System: Microsoft Windows 2000, XP
Excel: Microsoft Excel 2000, XP, 2003

Specifications

Common Specifications

Horizontal Axis Parameters

Sampling resolution	5 cm, 10 cm, 20 cm, 50 cm, 1 m, 2 m, 4 m, 8 m, 16 m, 32 m
Readout resolution	1 cm (Min.)
Number of sampled data	Up to 50,000 points
Group refractive index	1.30000 to 1.79999 (in 0.00001 steps)
Unit of distance	km, kf, or miles
Distance measurement accuracy	Offset error: ±1 m Scale error: Measured distance×2×10^{-5} Sampling error: ±1 sampling resolution

Vertical Axis Parameters

Vertical axis scale	0.2 dB/div, 0.5 dB/div, 1 dB/div, 2 dB/div, 5 dB/div, 7.5 dB/div
Readout resolution	0.001 dB (Min.)
Loss measurement accuracy*	±0.05 dB/dB

* When the measuring loss is 1dB or less, the accuracy is within ±0.05dB

OTDR Measurement Function

Distance measurement	Displays up to eight digits of the relative one-way distance between two arbitrary points on the trace.
Loss measurement	Displays one-way loss in steps of 0.001 dB to a maximum of 5 digits. Displays the one-way loss, loss per unit length, and splice loss between any two given points on the waveform.
Return loss measurement	Measures return loss and total return loss of a fiber cable or between two arbitrary points on the trace.

OTDR Analysis Functions

Analysis functions	Multi trace analysis, 2 way trace analysis, differential trace analysis, section analysis

Internal Memory

Memory capacity	1000 waveforms or more Can store measured waveforms, and measurement conditions

Display

Display	8.4-inch color TFT LCD
Total number of pixels*	640 (horizontal)×480 (vertical)

* The LCD may contain some pixels that are always ON or always OFF (0.002% or fewer of all displayed pixels including RGB), and is not indicative of a general malfunction.

External Interface

USB	USB1.1 Type A and Type B, one each Type A: For external memory or external printer Type B: For connecting to an external PC for remote control or access to the OTDR's internal memory.

Optical I/O port

Connector type	SC (fixed), FC (fixed), SC universal adapter, FC universal adapter, No universal adapter (base)
Number of port	1 or 2*

* Port 2 is only for model 735027 (1650nm), and Model 735030 (850nm/1300nm).

File Formats

File formats	Read: SOR, TRD, TRB, SET Write: SOR (Telcordia), SET, CSV, BMP, JPG, PNG

General Specifications

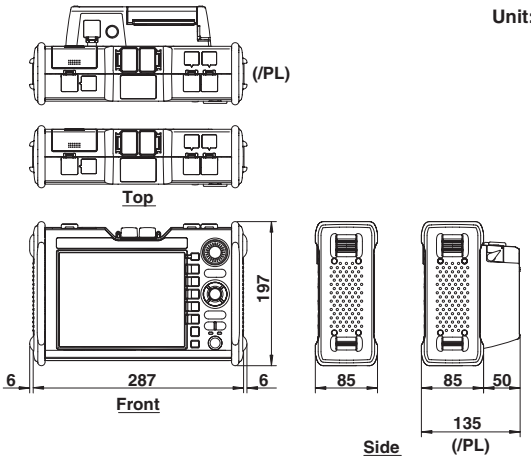
Laser safety standards	class 1 M (IEC60825-1:2001)
Safety standard	EN61010-1
Emission	EN61326 Class A
Immunity	EN61326 Annex A
Operating environment	0 to 45°C
Temperature	(0 to 35°C when charging the battery)
Humidity	85% RH or less (no condensation)
Storage temperature	-20 to 60°C
Battery	Operation time 6 hours*1 Recharge time 5 hours*2
AC adapter	
Rated supply voltage	100 to 240 VAC
Rated supply frequency	50 to 60 Hz
Power consumption	Max 70 W (when battery charging, and optional printer printing)
Dimensions	(W) 287×(H) 197×(D) 85 mm (not including projections or options)
Weight	Approx. 2.8 kg (not including options)

*1 Measurement for 30 seconds in every 10 minutes, without any options, in power save mode (Full Auto 1minute).
*2 Ambient temperature of 23°C, power OFF

Laser Safety Label

External Dimensions

Unit: mm



Specifications by Model

Single-mode Fiber 1 Wavelength Type

Model	735020	735021*12
Wavelength	1550±25nm	1650 ± 5nm *1 ±10nm *2
Applicable fiber	SM (ITU-T G.652)	
Distance range	500m, 1km, 2km, 5km, 10km, 20km, 50km, 100km, 200km, 300km, 400km	
Pulse width*3	3ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1us, 2us, 5us, 10us, 20us	
Dynamic range*4	32dB	30dB
Event dead zone*5, 11	0.8m	0.8m
Attenuation dead zone*6, 11	8m (typ)	12m (typ)

Single-mode Fiber 2 Wavelength Type

Model	735022	735023	735024
Wavelength	1310/1550±25nm	1310/1550±25nm	1550/1625±25nm
Applicable fiber	SM (ITU-T G.652)		
Distance range	500m, 1km, 2km, 5km, 10km, 20km, 50km, 100km, 200km, 300km, 400km		
Pulse width*3	3ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1us, 2us, 5us, 10us, 20us		
Dynamic range*4	34/32dB	40/38dB	38/35dB
Event dead zone*5, 11	0.8m	0.8m	0.8m
Attenuation dead zone*6, 11	7/8m (typ)	7/8m (typ)	8/12m (typ)

Single-mode Fiber 3 Wavelength Type

Model	735025	735026	735027*12	735028
Wavelength	1310/1490/1550±25nm	1310/1550/1625±25nm	1310/1550±25nm 1650±5nm *1, ±10nm *2	1310/1550/1625±25nm
Applicable fiber	SM (ITU-T G.652)			
Distance range	500m, 1km, 2km, 5km, 10km, 20km, 50km, 100km, 200km, 300km, 400km			
Pulse width*3	3ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1us, 2us, 5us, 10us, 20us			
Dynamic range*4	34/30/32dB	34/32/28dB	34/32/30dB	40/38/35dB
Event dead zone*5, 11	0.8m	0.8m	0.8m	0.8m
Attenuation dead zone*6, 11	7/8/8m (typ)	7/8/12m (typ)	7/8/12m (typ)	7/8/12m (typ)

Multimode Fiber 2 Wavelength Type

Model	735029
Wavelength	850/1300±30nm
Applicable fiber	GI (50/125, 62.5/125µm)
Distance range	500m, 1km, 2km, 5km, 10km, 20km, 50km, 100km
Pulse width*3, 7	10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1us, 2us, 5us
Dynamic range*8, 10	22.5/24dB
Event dead zone*9, 10, 11	2m (typ)
Attenuation dead zone*6, 10, 11	7/10m (typ)

Multimode/Single-mode Fiber 4 Wavelength Type

Model	735030	
Wavelength	1310/1550±25nm	850/1300nm±30nm
Applicable fiber	SM (ITU-T G.652)	GI (50/125,62.5/125µm)
Distance range	500m, 1km, 2km, 5km, 10km, 20km, 50km, 100km, 200km, 300km,400km	500m, 1km, 2km, 5km, 10km, 20km, 50km, 100km
Pulse width*3	3ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1us, 2us, 5us, 10us, 20us	10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1us, 2us, 5us*7
Dynamic range	34/32dB*4	22.5/24dB*8, 10
Event dead zone	0.8m*5, 11	2m (typ)*9, 10, 11
Attenuation dead zone	7/8m (typ)*11	7/10m(typ)*6, 10, 11

*1 At a point -20 dB from the pulse light output peak value (measured 30 min. or more after power ON, ambient temperature of 23°C)
*2 At a point -60 dB from the pulse light output peak value (measured 30 min. or more after power ON, ambient temperature of 23°C)
*3 Pulse width setting range depends on the distance range.
*4 SNR=1, at pulse with 20 µs, distance range 200 km, sampling resolution 32 m, measurement time 3 minutes.
*5 Pulse width 3 ns, return loss 45 dB or more, at a point 1.5 dB below the peak value (not saturated).
*6 Pulse width 10 ns, return loss 45 dB or more, at a point where the backscatter level is within ±0.5 dB of the normal value.
*7 Pulse width of 2 or 5 µs when measured wavelength is 1300 nm
*8 SNR=1, at pulse width 200 ns(850nm), 1 µs(1300nm), measurement time 3 minutes.
*9 Pulse width 10 ns, return loss 45 dB or more, at a point 1.5 dB below the peak value (not satunated).
*10 GI (62.5/125 µm) is measured.
*11 At group refractive index 1.5
*12 Pulse light output power at 1650 nm less than 15 dBm
Note: Specifications without any special remarks, assured at 23±2°C

Factory Installed Option Specifications

Built-in Printer/LAN Functions (/PL option)

Printing method	Thermal line-dot
Dot density	576 dots/line
Paper width	80 mm
Operating environment	Temperature 5 to 35°C Humidity 10 to 80% RH (no condensation)
Storage temperature	-20 to 60°C
LAN function	10BASE-T/100BASE-TX (RJ-45) x1

Power Monitoring Function (/PM Option)

Optical port	OTDR optical I/O port
Measuring range*1	-50 to -5 dBm
Measurement accuracy*2	±0.5 dB

*1 CW light, wavelength 1310 nm, absolute max input level = 0 dBm (1 mW)
*2 When inputting CW light, wavelength 1310 nm, -10 dBm, at 23±2°C

Light Source Function (Option /LS)

Optical port	OTDR optical I/O port
Center wavelength	OTDR's center wavelengths
Output level	-5 dBm or more (at 23±2°C)
Output level stability	±1 dB (5 minutes)
Modulation frequency	CW, 270 Hz

Dummy Fiber (/DF Option)*

Optical fiber	Single-mode fiber (ITU-T G.652)
Length	approx. 100 m

* Dummy fiber option may cause the reduction of dynamic range (0.5dB or less).

Model and Suffix Codes

AQ7270 OTDR

Model	Option availability					Description
	/PM	/LS	/PL	/DF	/SB	
735020	○	○	○	○	○	AQ7270 OTDR 1550nm, 32dB
735021	—	○	○	○	○	AQ7270 OTDR 1650nm, 30dB
735022	○	○	○	○	○	AQ7270 OTDR 1310/1550nm, 34/32dB
735023	○	○	○	○	○	AQ7270 OTDR 1310/1550nm, 40/38dB
735024	○	○	○	○	○	AQ7270 OTDR 1550/1625nm, 38/35dB
735025	○	○	○	○	○	AQ7270 OTDR 1310/1490/1550nm, 34/30/32dB
735026	○	○	○	○	○	AQ7270 OTDR 1310/1550/1625nm, 34/32/28dB
735027	○*1	○	○	○	○	AQ7270 OTDR 1310/1550/1650nm, 34/32/30dB
735028	○	○	○	○	○	AQ7270 OTDR 1310/1550/1625nm, 40/38/35dB
735029	—	—	○	—	○	AQ7270 OTDR 850/1300nm, 22.5/24dB
735030	○*2	○*2	○	—	○	AQ7270 OTDR 850/1300/1310/1550nm, 22.5/24dB/34/32dB

*1 : Does not support the 1650nm port *2 : Does not support the 850/1300nm port
○ : Available — : Not available

	Suffix Codes	Description
Optical Connector	-SCC	SC type Connector
	-FCC	FC type Connector
	-NON	No universal adapter
	-USC	Universal adapter (SC)
	-UFC	Universal adapter (FC)
Language	-HE	English
	-HC	Chinese/English
	-HK	Korean/English
	-HR	Russian/English
Power Cord	-D	UL/CSA standard
	-F	VDE standard
	-R	AS standard
	-Q	BS standard
	-H	GB standard, Complied with CCC
Options	/PM	Optical power monitor
	/LS	Light source
	/PL	Built-in printer, LAN
	/DF	Dummy fiber (SMF)
	/SB	Sholder belt

Example: 735023–USC–HE–D /PM /LS
AQ7270 OTDR 1310/1550nm, 40/38dB, with Universal adapter(SC), English version, with a UL/CSA standard power cord, with power monitor function and with Light source function

Standard Accessories

An AC adapter, a power cord, a battery pack, a hand belt, and a set of user's manual (CD-ROM)

Accessories (Optional)

Name	Model	Specifications
Soft carrying case	739860	
Battery pack	739880	
Universal adapter(SC)	SU2005A-SCC	SC type
Universal adapter(FC)	SU2005A-FCC	FC type
Printer roll paper	A9010ZP	80mmx25m
Shoulder belt	B8070CY	
AC adapter	739870-D	UL/CSA standard
	739870-F	VDE standard
	739870-R	AS standard
	739870-Q	BS standard
	739870-H	GB standard, Complied with CCC

Application software

Model	Suffix Codes	Specifications
735070		AQ7932 OTDR Emulation Software (Ver3.0 or later)
	-EN	English

Related Products

OTDR

AQ7260

High performance OTDR that also supports long-distance optical fiber cables, with high dynamic range of up to 45 dB.

LD Light Source

AQ4270-01

Compact, lightweight 1310/1550 nm 2-wavelength light source with 4 switches for easy, safe operation.

Optical Powermeter

AQ2160-01

Compact, lightweight powermeter designed especially for absolute value measurements for FTTH/LAN work.

Optical Powermeter

AQ2160-02

Compact, light weight body. Using with a light source, it can measure optical loss. Measured values can be saved to internal memory, making on-site work more efficient.

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