Test&Measurement











Latest Portable OTDR Portfolio

Optical Time Domain Reflectometer Selection Guide

Precision Making

Bulletin OTDR-01EN

Select from features and size

Modular Flagship OTDR

AQ7280 Series



Flagship modular frame offering the most configuration flexibility

- Multitasking feature capable of testing up to 4 fibers simultaneously
- Large "pinch zoom" responsive capacitive touchscreen

Multi Field Tester OTDR

AQ1210 Series



Midsize non-modular robust platform, small enough to be operated easily with one hand

Smart and fully-featured, now includes multitasking

Entry level OTDR

AQ1000



Most compact and affordable model, yet still packed with the essential features

• Simple tablet-like touchscreen icon menu making it perfect for beginners

YOKOGAWA OTDR function comparison

AQ7280 7×210×80 2.8 kg 3.4-inch	AQ1210 210×148×69 1 kg	AQ1000 185×116×56 660 g
2.8 kg	1 kg	
		660 g
3.4-inch	F 7 !	1
	5.7-inch	5.0-inch
•	•	•
5 hours	10 hours	10 hours
Adapter	USB power adapter	USB power adapter
0	•*1	_
●*² le transfer	● ^{*3} File transfer & remote control	0
•	•	_
0	•	_
•	•	_
0	•	•
0	0	•
0	0	_
0	0	0
•	•	_
0	0	_
_	•	_
0	_	_
	• • • • • • • • • • • • • • • • • • •	

- *1 A commercially available wired LAN adapter is required, (verified model; UE300 (TP-Link))
- *2 A commercially available wireless SD card is required. (verified model: FlashAir™ (KIOXIA)) (This feature may not be available due to the discontinuation of FlashAir™.) (KIOXIA) (*3 A commercially available wireless LAN adapter is required. (verified models: TL-WN725N (TP-Link), *3 A commercially available wireless LAN adapter is required. (verified models: TL-WN725N (TP-Link), *3 A commercially available wireless LAN adapter is required. (verified models: TL-WN725N (TP-Link), *4 CTP-Link). CF-WU810N (COMFAST))
- *4 Integrated optical power meter
- *5 A commercially available optical fiber scope is required. (verified models: DI-1000-B2/DI-2000-B2 (Lightel), FVO-730B-P (Eternall)
 (Available firmware for DI-2000-B2: AQ7280 (R2.08 or later), AQ1210 (R1.03 or later))

 *6 /LAN option and AQ7940 Optical Fiber Monitoring Software are required.

VOVOCANNA OTDD madal w

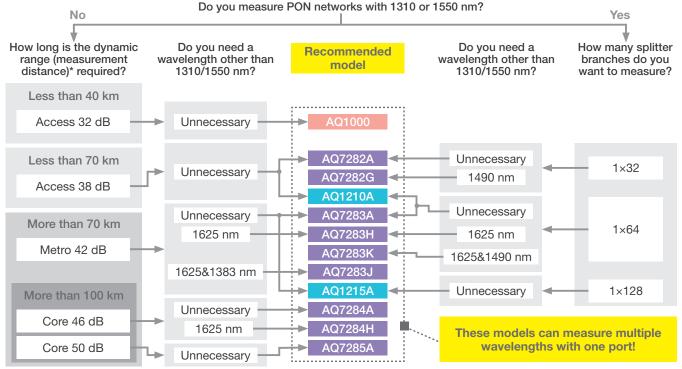
YOKOGAWA OTDR model map									
Cable type	Targe	t netwo	rk	Test appl			olication		
Area*		PON	PON Installation (measurement of new and dark lines) Model Wavelength (nm)		Installation/Maintenance (measurement of new and live lines) Model Wavelength (nm)				
		32 dB	_	AQ1000	_	1310 1550	IVIOGEI		Wavelength (nm)
	Access	38 dB	1×32	AQ7282	A G	1310 1550 1310 1550 1490			
			1×64	AQ1210	Α	1310 1550	AQ1210	Е	1310 1550 1625
	Access/Metro 42		1×64 42 dB 1×128	AQ7283	Α	1310 1550		Е	1010 1550 1005
Single-mode optical fiber cable					Н	1310 1550 1625	AQ7283		1310 1550 1625
					K	1310 1550 1625 1490		F	1310 1550 1650
		42 dB			J	1310 1550 1625 1383		Г	1310 1330 1030
				AQ1215			AQ1215	Ε	1310 1550 1625
					A 1310 1550	AGIZIO	F	1310 1550 1650	
							AQ1216	F	1310 1550 1650
	Metro/Core	46 dB	_	ΔΩ7284	Α	1310 1550			
	Wictio, Corc	40 GD			Н	1310 1550 1625			
	Core	50 dB	_	AQ7285	Α	1310 1550			
	Access/LA	Access/LAN 1x6	1×64	AQ1210	D	1310 1550			
Multimode optical			_			850 1300			
fiber cable	LAN		_	AQ7282	M	850 1300			

^{*}The dB value is the maximum dynamic range of OTDRs for each target area.

Use flow chart to select from application and measurement performance

Installation of single mode fiber (measurement of new and dark fibers)

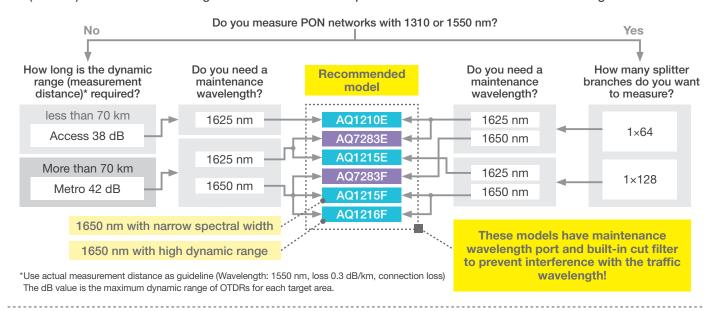
The installation models can measure multi trace, including traffic wavelengths (1310/1550 nm) using.



^{*}Use actual measurement distance as guideline (Wavelength: 1550 nm, loss 0.3 dB/km, connection loss) The dB value is the maximum dynamic range of OTDRs for each target area.

Installation and maintenance of single mode fiber (measurement of new and live lines)

Two separate ports effectively avoids mishaps by offering a dedicated port for the traffic wavelength and a second port for the (16xxnm) maintenance wavelength with built-in cut filter to prevent interference with the traffic wavelength.



AQ7280 series

Items	Models	Suffix codes	Descriptions	Selection types	
OTDR Mainframe	AQ7280		OTDR Mainfarme [Select one language: HJ, HE, HM, HC, HK, HR]	Required	
		/LAN	Ethernet	Optional	
		/FST	Fiber Surface Test function		
		/MNT	Monitoring function	Optional	
		/SMP	Smart Mapper function	Optional	
		/SB	Shoulder Belt		
AC Adapter	739874		AC Adapter [Select one power cord type]	Required	
OTDR Unit	AQ728□□	_	OTDR Unit [Select one model]		
-(-000	[Select one connector type: USC, UFC, ULC, ASC, NUA]	Required	
		/PC	Power Checker (Integrated optical power meter)	Optional	
		/SLS	Stabilized Light Source		
OPM/VLS modules	AQ278		OPM (Optical Power Meter) [Select one model] [Select one connector: SCC, FCC, SFC (2.5 mm dia.), LMC (1.25 mm dia.)] (Models with "V" include the VLS function.)	Optional	
	AQ4780	_	VLS (Visible Light Source) (Fixed connector with 2.5 mm dia.)		

Note. The OTDR mainframe, OTDR units, AC adapter, and modules can be additionally

Accessories (Sold separately)

Items	Models	Suffix codes	Descriptions
Application software	AQ7933		Emulation Software (Multi-language) [Select one medium: SP01 (download), SC01 (CD)]
	735071	-HE	AQ7940 Optical Fiber Monitoring Software (Language: English/Japanese)
Additional option license	735050	-000	Additional option license [Select one option code: MNT, SMP, FST]
Optical connector adapter (for OTDR)	SU2005A	-000	Universal Adapter [Select one connector type: SCC, FCC, LCC] (When OTDR connector is ASC, select SCC. The ASC is not compatible with FCC and LCC.)
Optical connector adapter (for OPM)	735480		Universal Adapter [Select one connector type: SCC, FCC]
	735481		Universal Adapter [Select one connector type: SFC (2.5 mm dia.), LMC (1.25 mm dia.)]
Battery	739883	_	Battery pack (spare)
Belt	B8070CY	_	Shoulder Belt
Carrying case	739860	_	Soft Carrying Case

AQ1210 series

Items	Models	Suffix codes	Descriptions	Selection types
OTDR AQ121		-	OTDR [Select one language: HE, HM, HC, HK, HR]	
			[Select one language]	Required
			[Select one connector for OTDR: USC, UFC, ULC, ASC]	
			Optical Power Meter [Select one type: SPM, HPM, PPM] (The connector type is determined by that of OTDR)	Optionalss
		/PC	Power Checker (Integrated optical power meter)	
	/VLS	Visible Light Source		
		/FST	Fiber Surface Test function	Optional
	7		Shoulder Belt	Ориона

Note. A USB power adapter is also required. Please consult with our seles representatives for recommended products.

Accessories (Sold separately)

Models	Suffix codes	Descriptions
AQ7933		Emulation Software (Multi-language) [Select one medium: SP01 (download), SC01 (CD)]
735051	-FST	Additional option license (FST: Fiber Surface Test function)
735482		Universal Adapter [Select one connector type: SCC, FCC, LCC, ASC]
735480		Universal Adapter [Select one connector type: SCC, FCC]
735481		Universal Adapter [Select one connector type: SFC (2.5 mm dia.), LMC (1.25 mm dia.)]
A1681WL	_	USB Cable (Type-C at both ends)
739884	_	Battery pack (spare)
B8070CY	_	Shoulder Belt
SU2006A	_	Soft Carrying Case
	AQ7933 735051 735482 735480 735481 A1681WL 739884 B8070CY	AQ7933 -

AQ1000

Items	Models	Suffix codes	Descriptions	Selection types
OTDR	AQ1000	_	OTDR [Select one model]	
Mainframe			[Select one connector for OTDR: USC, UFC, ASC]	Required
		/VLS	Visible Light Source	Optional
		/WLN	Wireless LAN	Ориона

Accessories (Sold separately)

Items	Models	Suffix codes	Descriptions
Application software	AQ7933		Emulation Software (Multi-language) [Select one medium: SP01 (download), SC01 (CD)]
Optical connector adapter (for OTDR)	735482		Universal Adapter [Select one connector type: SCC, FCC]
USB cable	A1590WL	_	USB Cable (DC power supply)
Strap	B8105EP	_	Strap

The contents are as of February 2021. Subject to change without notice.

Copyright © 2021, Yokogawa Test & Measurement Corporation



https://tmi.yokogawa.com/

YMI-KS-MI-SE08

Printed in Japan, 102(KP)

[Ed: 01/b]

YOKOGAWA TEST & MEASUREMENT CORPORATION

Facsimile: +81-42-690-8826

YOKOGAWA CORPORATION OF AMERICA YOKOGAWA EUROPE B.V. YOKOGAWA TEST & MEASUREMENT (SHANGHAI) CO., LTD. YOKOGAWA ELECTRIC KOREA CO., LTD.

YOKOGAWA ENGINEERING ASIA PTE. LTD. YOKOGAWA INDIA LTD. YOKOGAWA ELECTRIC CIS LTD. YOKOGAWA AMERICA DO SUL LTDA.

YOKOGAWA MIDDLE EAST & AFRICA B.S.C(c)

Phone: +1-800-888-6400 Phone: +31-88-4641429 Phone: +82-2-2628-3810 Phone: +65-6241-9933 Phone: +7-495-737-7868 Phone: +973-17-358100

E-mail: tmi@us.yokogawa.com E-mail: tmi@nl.yokogawa.com Phone: +86-21-6239-6363 E-mail: tmi@cs.cn.yokogawa.com E-mail: TMI@kr.yokogawa.com Phone: +91-80-4158-6396 E-mail: tmi@in.yokogawa.com E-mail: info@ru.yokogawa.com Phone: +55-11-3513-1300 E-mail: eproc@br.yokogawa.com E-mail: help.ymatmi@bh.yokogawa.com Facsimile: +973-17-336100

E-mail: TMI@sg.yokogawa.com

Facsimile: +86-21-6880-4987 Facsimile: +82-2-2628-3899 Facsimile: +65-6241-9919 Facsimile: +91-80-2852-1442 Facsimile: +7-495-737-7869