

Thank you for purchasing the AQ23011A/AQ23012A Modules.

To ensure correct use, please read this manual thoroughly before beginning operation. For details on the functions and performance, see the user's manual for the AQ23011A/AQ23012A frame (IM AQ23011A-01EN, IM AQ23011A-02EN, and IM AQ23011A-03EN). The following manuals, including this one, are provided as manuals for the instruments. Please read all manuals.

Manual Title	Manual No.	Description
Modules for AQ23011A, AQ23012A Checking the Contents of the Package and Handling Precautions of the Modules	IM AQ23811A-01EN	This manual. This is included with AQ23011A/AQ23012A modules. It explains the handling precautions of the module and lists the package contents.
Modules for AQ23011A, AQ23012A	IM AQ23811A-92Z1	A document for China.

The "EN" and "Z1" in the manual numbers are the language codes.

The latest editions of manuals and firmware (AQ23011A, or AQ23012A software) are available to registered customers for download from our website.

<https://tmi.yokogawa.com/library/>

Contact information of Yokogawa offices worldwide is provided on the following sheet.

Manual No.	Description
PIM 113-01Z2	List of worldwide contacts

Safety Precautions

This product is designed to be used by a person with specialized knowledge. The general safety precautions described herein must be observed during all phases of operation. If the instrument is used in a manner not specified in this manual, the protection provided by the instrument may be impaired.

This manual is part of the product and contains important information. Store this manual in a safe place close to the instrument so that you can refer to it immediately. Keep this manual until you dispose of the instrument.

YOKOGAWA assumes no liability for the customer's failure to comply with these requirements.

The following symbols are used on this instrument.



Handle with care. Refer to the user's manual or service manual. This symbol appears on dangerous locations on the instrument which require special instructions for proper handling or use. The same symbol appears in the corresponding place in the manual to identify those instructions.

French



À manipuler délicatement. Toujours se reporter aux manuels d'utilisation et d'entretien. Ce symbole a été apposé aux endroits dangereux de l'instrument pour lesquels des consignes spéciales d'utilisation ou de manipulation ont été émises. Le même symbole apparaît à l'endroit correspondant du manuel pour identifier les consignes qui s'y rapportent.

Safety Precautions of the Modules

The following precautions must be observed when handling the modules. YOKOGAWA assumes no liability for the customer's failure to comply with these requirements. For details on the installation/removal procedure and the specifications of the modules, see the user's manual for the AQ23011A/AQ23012A frame (IM AQ23011A-03EN).



WARNING

Use the Instrument Only for Its Intended Purpose

This instrument functions as a source measure instrument that sources and measures voltage and current when an SMU is used in the frame. When an OPM is used in the frame of this instrument, the instrument becomes an optical measuring instrument to measure the characteristics of light and evaluate its performance. Use this instrument only for this purpose.



Check the Physical Appearance

Do not use the instrument if there is a problem with its physical appearance.

Do Not Operate in an Explosive Atmosphere

Do not operate the instrument in the presence of flammable gasses or vapors. Doing so is extremely dangerous.

Do Not Remove the Covers or Disassemble or Alter the Instrument

Only qualified YOKOGAWA personnel may remove the covers and disassemble or alter the instrument.

Install or Use the Instrument in Appropriate Locations

Do not install or use the instrument outdoors or in locations subject to rain or water.

French



AVERTISSEMENT

Utiliser l'instrument aux seules fins prévues

Cet instrument fonctionne comme un instrument de mesure conçu pour la source et la mesure de la tension et du courant lorsqu'un SMU est utilisé dans le châssis. Lorsqu'un OPM est utilisé dans le cadre de cet instrument, celui-ci devient un instrument de mesure optique permettant de mesurer les caractéristiques de la lumière et d'évaluer ses performances. Utilisez cet instrument uniquement à cet effet.

Inspecter l'apparence physique

Ne pas utiliser l'instrument si son intégrité physique semble être compromise.

Ne pas utiliser dans un environnement explosif

Ne pas utiliser l'instrument en présence de gaz ou de vapeurs inflammables.
Cela pourrait être extrêmement dangereux.

Ne pas retirer le capot, ni démonter ou modifier l'instrument

Seul le personnel YOKOGAWA qualifié est habilité à retirer le capot et à démonter ou modifier l'instrument.

Installer et utiliser l'instrument aux emplacements appropriés

Ne pas installer, ni utiliser l'instrument à l'extérieur ou dans des lieux exposés à la pluie ou à l'eau.

Waste Electrical and Electronic Equipment (WEEE)



(EU WEEE Directive valid only in the EEA* and UK WEEE Regulation in the UK)

This product complies with the WEEE marking requirement. This marking indicates that you must not discard this electrical/electronic product in domestic household waste. When disposing of products in the EEA or UK, contact your local Yokogawa office in the EEA or UK respectively.

* EEA: European Economic Area

Authorized Representative in the EEA

Yokogawa Europe B.V. is the authorized representative of Yokogawa Test & Measurement Corporation for this product in the EEA. To contact Yokogawa Europe B.V., see the separate list of worldwide contacts, PIM 113-0122.

Compatibility between the AQ23011A/AQ23012A Software Version and AQ23011A/AQ23012A Modules

Some modules cannot be used with older versions of the AQ23011A/AQ23012A software. Refer to the table below for version requirements. If your AQ23011A/AQ23012A requires a newer version of the software, download from our website. To determine the software version, see section 5.6 in the user's manual for the AQ23011A/AQ23012A frame (IM AQ23011A-03EN).

Model	Module Name	AQ23011A/AQ23012A Version (Firmware Version)
AQ23811A	Source Measure Unit	1.00 and later
AQ23211A	Optical Power Meter	2.00 and later
AQ23212A	Optical Power Meter	2.00 and later

Using open source software

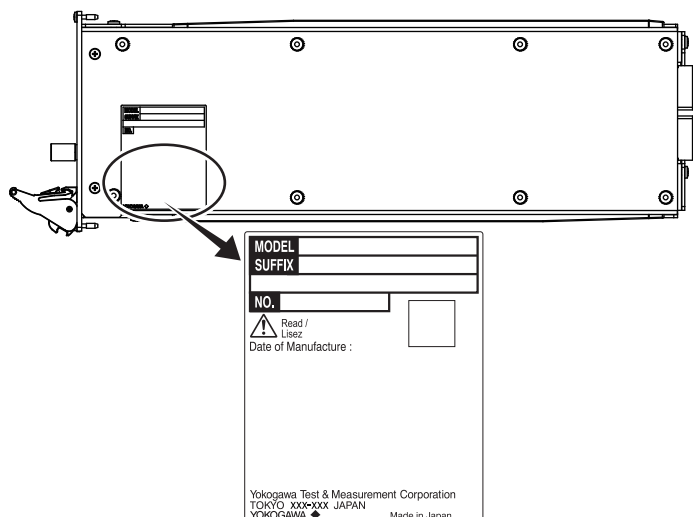
This product includes open source software.

The license for each open source software can be found in TermsAndConditions_OpenSourceSoftware.pdf in the \License folder of the frame's internal storage.

For how to access the \License folder in the internal memory of the frame's internal storage, see "How to View the User's Manual" in the Getting Started Guide (IM AQ23011A-03EN)..

Checking the Contents of the Package

If some of the contents are not correct or missing or if there is physical damage, contact the dealer from which you purchased them. Also, check that the model and suffix code on the name plate on the side panel of the module match those of your order. For products whose suffix code contains "Z," an exclusive manual may be included. Please read it along with the standard manual.



AQ23811A Source Measure Unit (MODEL AQ23811A)

Item	Suffix Code	Description
AQ23811A		$\pm 6\text{ V}$ / $\pm 600\text{ mA}$, 2ch
Model	-10	Standard model

• Accessories

Item	Model or Part No.	Q'ty	Notes
Measurement plug	A3604JQ	2	FMC 0, 5/6-ST-2, 54/ made by Phoenix Contact Shipped inserted in terminal
Trigger plug	A3606JQ	1	DFMC 0, 5/2-ST-2, 54/ made by Phoenix Contact Shipped inserted in terminal
User's manual	IM AQ23811A-01EN	1	Read before using the instrument
	IM AQ23811A-92Z1	1	Document for China
	PIM 113-01Z2	1	List of worldwide contacts

AQ23211A Optical Power Meter (MODEL AQ23211A)

Item	Suffix Code	Description
AQ23211A		1ch, Standard
Connector adapter	-FCC	AQ9335C (FC) Connector adapter (with a light shielding cap)
	-SCC	AQ9335C (SC) Connector adapter (with a light shielding cap)
	-LCC	AQ9335C (LC) Connector adapter
	-MUC	AQ9335C (MU) Connector adapter
	-NCA	No connector adapter

• Accessories

Item	Model or Part No.	Q'ty	Notes
Ring	—	1	
Protective cover	—	1	
User's manual	IM AQ23811A-01EN	1	Read before using the instrument
	IM AQ23811A-92Z1	1	Document for China
	PIM 113-01Z2	1	List of worldwide contacts

AQ23212A Optical Power Meter (MODEL AQ23212A)

Item	Suffix Code	Description
AQ23212A		2ch, Standard
Connector adapter	-FCC	AQ9335C (FC) Connector adapter (with a light shielding cap)
	-SCC	AQ9335C (SC) Connector adapter (with a light shielding cap)
	-LCC	AQ9335C (LC) Connector adapter
	-MUC	AQ9335C (MU) Connector adapter
	-NCA	No connector adapter

• Accessories

Item	Model or Part No.	Q'ty	Notes
Ring	—	2	
Protective cover	—	2	
User's manual	IM AQ23811A-01EN	1	Read before using the instrument
	IM AQ23811A-92Z1	1	Document for China
	PIM 113-01Z2	1	List of worldwide contacts
