

Thank you for purchasing the 735454 Optical Transceiver Module. This manual focuses on the handling precautions of the 735454. To ensure correct use, please read this manual thoroughly before operation. Keep this manual in a safe place.

For information on the optical transceiver module, see also the manual of the AQ1300 and AQ1301 (IM AQ1300-02EN).

Checking the Package Contents

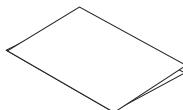
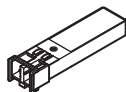
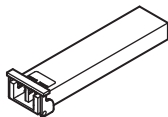
After receiving the product and opening the package, check the following contents before use.

Optical Transceiver Module

XFP Module	SFP Module
735454-SR	735454-SX
735454-LR	735454-LX
735454-ER	

Manuals

IM 735454-01EN(this manual)
IM 735454-92Z1
PIM113-01Z2




Name	Model or Component Number	Notes
Optical Transceiver Module	735454-SR	10GBASE-SR XFP module 850nm
	735454-LR	10GBASE-LR XFP module 1310nm
	735454-ER	10GBASE-ER XFP module 1550nm
	735454-SX	1000BASE-SX SFP module 850nm
	735454-LX	1000BASE-LX SFP module 1310nm
Manuals	IM 735454-01EN	This manual.
	IM 735454-92Z1	A manual for China.
	PIM113-01Z2	List of worldwide contacts

To Use the Optical Transceiver Module Safely

Be sure to follow the safety precautions listed below. Yokogawa Test & Measurement Corporation assumes no liability for the customer's failure to comply with these requirements.

The following symbols are used on this product.

 Handle with care. Refer to the attached safety information.

Make sure to comply with the precautions below. Failure to do so could lead to damage to the instrument, injury, or death.



WARNING

This optical transceiver module is designed specifically for the AQ1300 and AQ1301. Do not install this instrument in other devices.

French



AVERTISSEMENT

Ce module d'émetteur-récepteur optique est spécialement conçu pour les dispositifs AQ1300 et AQ1301. Ne pas installer cet instrument dans d'autres appareils.

Note

The SFP module and XFP module are components of the AQ1300/AQ1301. Use the SFP module and XFP module by installing them into the AQ1300/AQ1301. If you install them in other devices, the product functions and performance are not guaranteed. Additionally, using these modules voids your warranty.

Safety Precautions for Laser Products

When optical transceiver module (XFP module or SFP module) is installed in the AQ1300 or AQ1301, AQ1300 or AQ1301 is a Class 1 laser product as defined by IEC60825-1 Safety of Laser Products—Part1: Equipment classification and requirements. In addition, this instrument complies with 21 CFR 1040.10, 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007.



It is designated for use solely as a component of such electronic product and therefore does not comply with the appropriate requirements of 1040.10 and 1040.11 for complete laser products.

Model (optical transceiver module)	Class	Center Wavelength	Maximum Output Power ¹	Beam Divergence (full angle at 1/e ²)	Pulse Duration and Repetition Rate	Supplier Code (XXX: There is a case of change.)
735454-SR	1	850 nm	0.78 mW	23.1°	CW	TRF2001FN-GA ^{XXX}
	1	850 nm	0.7 mW	20°	CW	FTLX8512D3BCL
735454-LR	1	1310 nm	15.6 mW	11.5°	CW	TRF5016FN-GA ^{XXX} , TRF5017FN-GA ^{XXX} , ^{*2} or FTLX1413D3BCL ^{*3}
735454-ER	1	1550 nm	10.0 mW	11.5°	CW	TRF7053FN-GA ^{XXX} or FTLX1612M3BTL ^{*3}
735454-SX	1	850 nm	2.4 mW	23.1°	Pulse 625 MHz	HNGEP-100
735454-LX	1	1310 nm	3.0 mW	11.5°	Pulse 625 MHz	HNGEP-200

*1 Under single fault conditions.

*2 Valid from firmware version R01.11.01.002 or later of AQ1300.

*3 Valid from firmware version R01.11.01.003 or later of AQ1300.

Waste Electrical and Electronic Equipment



Waste Electrical and Electronic Equipment (WEEE), Directive

(This directive is only valid in the EU.)

This product complies with the WEEE Directive marking requirement. This marking indicates that you must not discard this electrical/electronic product in domestic household waste.

Product Category

With reference to the equipment types in the WEEE directive Annex I, this product is classified as a “Monitoring and Control instrumentation” product.

When disposing of products in the EU, contact your local Yokogawa Europe B.V. office. Do not dispose in domestic household waste.

Authorized Representative in the EEA

Yokogawa Europe B.V. is Authorized Representative of Yokogawa Test & Measurement Corporation in the EEA for this Product. To contact Yokogawa Europe B.V., see the separate list of worldwide contacts, PIM 113-01Z2.