User's Manual

Model 707037/707038
WE7037/WE7038
Optical Interface Module

This User's Manual contains information about the installation procedures for the optical interface module WE7037/WE7038 for the PC-based measurement instrument, WE7000. For other information about the functions and specifications of the module, read the WE7000 User's Manual, IM707001-01E.

Checking the Product

Check that the model name given on the name plate matches that on the order.

MODEL

Model	Description
707037	WE7037 optical interface module for measuring station, 1 port
707038	WE7038 optical interface module for measuring station, 2 ports

NO.
When contacting the dealer from which you purchased the instrument, please quote the instrument No.

⚠️

WARNING

- Make sure to fasten the top and bottom attachment screws. If you connect the input signal cable without fastening the attachment screws, the protective grounding of the measuring station provided by the power cord is compromised and may cause electric shock.
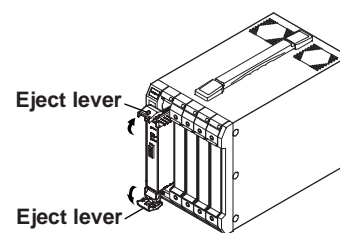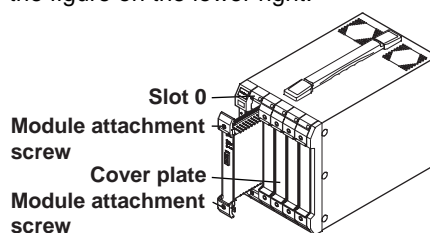
⚠️

CAUTION

- To avoid damaging the instrument when installing modules, make sure to turn OFF the standby power switch of the measuring station.
- Be careful not to get your fingers caught in the ejection lever while inserting the module. In addition, do not put your hand inside the slot, because there are protrusions along the module guide. You may injure your fingers from them.
- Do not remove the cover plates from unused slots. It can cause overheating and cause malfunction. Cover plates are also needed to minimize the influence caused by electromagnetic interference.

Installation Procedure

1. Verify that the power supply is not connected to the measuring station or that the main power switch is turned OFF. Make sure to turn off the main power switch on the rear panel (see WE7000 User's Manual IM707001-01E).
2. Remove the cover plate from slot 0. If another module is already installed in the slot, remove that module.
3. Insert the optical interface module into slot 0. Press firmly until it is securely connected to the connector.
4. Fasten the module at both the top and bottom locations with the M3 attachment screws. Set the tightening torque to 0.6 to 0.7 N·m.

When removing the module, unfasten the screws and open the eject lever as shown in the figure on the lower right.

Slot 0
Module attachment screw
Cover plate
Module attachment screw
Eject lever
Eject lever

Spacification

Number of interface ports:	WE7037: 1 port, WE7038: 2 ports
Light-emitting source:	1300 nm LED
Connection method:	Optical fiber with dual SC connector
	plural stations are connected in daisy chain.
Connection fiber:	Duplex multimode optical fiber with dual SC connector
	(graded index silica multimode optical fiber, core diameter:
	50 μm or 62.5 μm, cladding diameter: 125 μm)
Transmission rate:	250 Mbps
Cable length between stations:	500 m or less (when using fiber cable specified by YOKOGAWA)
Number of instruments that can be connected:	4 units or less (includes the PC)
LED display:	Communication status, station power status display
Control bus:	WE bus

General Specifications

Safety Standards:	Same as that of the measuring station
Operating conditions:	Same as that of the measuring station
Storage conditions:	Temperature: –20 to 60°C, Humidity: 20 to 80% RH
Power consumption:	11 VA (Typical at 100 V/50 Hz[*])
External dimensions:	Approx. 33(W) × 243(H) × 232(D) mm (projections excluded)
Weight:	Approx. 0.7 kg
Number of dedicated slots:	1
Accessories:	User's manual (1)
Optional accessories:	707802 Extension connector (for optical fiber cable), 707831 Optical fiber cable (2 m), 707832 Optical fiber cable (5 m), 707833 Optical fiber cable (10 m), 707834 Optical fiber cable (1 m)

* Typical values represents typical or average values. They are not strictly guaranteed.

Dimensional Drawings

WE7037(1 port)

33   227   4.5
242.4

WE7038(2 ports)

33   227   4.5
242.4