

MITSUBISHI

GT16 MES Interface Function Board

User's Manual

GT16-MESB

Thank you for purchasing the GOT1000 Series.

Prior to use, please read both this manual and detailed manual thoroughly to fully understand the product.

| | |
|---------------------------|-----------|
| MODEL | GT16-MESB |
| MODEL CODE | 1D7M82 |
| IB(NA)-0800427-C(0906)MEE | |

GRAPHIC OPERATION TERMINAL

GOT1000

●SAFETY PRECAUTIONS●

(Always read these precautions before using this equipment.)

Before using this product, please read this manual and the relevant manuals introduced in this manual carefully and pay full attention to safety to handle the product correctly. The precautions given in this manual are concerned with this product. In this manual, the safety precautions are ranked as "DANGER" and "CAUTION".

⚠ DANGER

Indicates that incorrect handling may cause hazardous conditions, resulting in death or severe injury.

⚠ CAUTION

Indicates that incorrect handling may cause hazardous conditions, resulting in medium or slight personal injury or physical damage.

Note that the ⚠ CAUTION level may lead to a serious accident according to the circumstances. Always follow the precautions of both levels because they are important to personal safety. Please save this manual to make it accessible when required and always forward it to the end user.

[INSTALLING PRECAUTIONS]

⚠ DANGER

- Be sure to shut off all phases of the external power supply used by the system before mounting or removing the GOT main unit to/from the panel. Not doing so can cause an electric shock, unit failure or malfunction.
- When installing this unit, wear an earth band, etc. to avoid the static electricity which can cause a unit destruction.

⚠ CAUTION

- Use this unit in the environment that satisfies the general specifications described in the User's Manual for the GOT used. Not doing so can cause an electric shock, fire, malfunction or product damage or deterioration.
- When installing this unit to the GOT, fit it to the option function board interface of the GOT and tighten the mounting screws in the specified torque range. Undertightening can cause a malfunction due to the poor connection. Overtightening can cause a failure or malfunction due to the screw or unit damage.

[STARTUP AND MAINTENANCE PRECAUTIONS]

⚠ CAUTION

- Do not disassemble or modify any unit. This will cause failure, malfunction, injuries, or fire.
- Do not touch the conductive areas and electronic parts of this unit directly. Doing so can cause a unit malfunction or failure.
- Always make sure to touch the grounded metal to discharge the electricity charged in the body, etc., before touching the unit. Failure to do so may cause a failure or malfunctions of the unit.

[DISPOSAL PRECAUTIONS]

⚠ CAUTION

- Dispose of this product as industrial waste.

[TRANSPORTATION PRECAUTIONS]

⚠ CAUTION

- Make sure to transport the GOT main unit and/or relevant unit(s) in the manner they will not be exposed to the impact exceeding the impact resistance described in the general specifications of the User's Manual for the GOT used, as they are precision devices. Failure to do so may cause the unit to fail. Check if the unit operates correctly after transportation.

Manuals

The following shows manuals relevant to this product.

Detailed Manual

| Manual name | Manual number (Type code) |
|-----------------------------|---------------------------|
| GT16 User's Manual (Option) | SH-080778ENG (1D7M88) |

Relevant Manuals

For relevant manuals, refer to the PDF manuals stored in the CD-ROM for the drawing software used.

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Compliance with the EMC and Low Voltage Directives

To configure a system meeting the requirements of the EMC and Low Voltage Directives when incorporating the Mitsubishi GOT (EMC and Low Voltage Directives compliant) into other machinery or equipment, refer to "EMC AND LOW VOLTAGE DIRECTIVES" of the General Description included with the GOT used. The CE mark, indicating compliance with the EMC and Low Voltage Directives, is printed on the rating plate of the GOT.

Packing List

After unpacking the box, check that the following products are included.

| Product | Quantity |
|---------------------------|----------|
| GT16-MESB | 1 |
| Fixing screw (M2.6 screw) | 1 |

1. OVERVIEW

This User's Manual describes GT16 MES interface function board (hereinafter referred to as the MES interface function board). Installation of the MES interface function board expands functions. Refer to the User's Manual for the GOT used for the applicable GOT, and to GT Designer2 Version □ Screen Design Manual for the expanded functions.

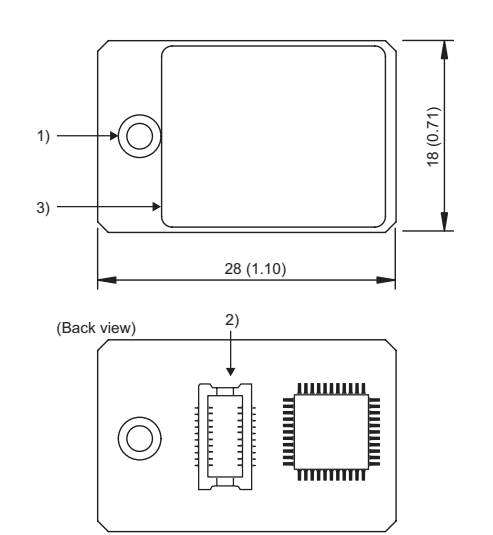
| Product | Model | Description |
|------------------------------|-----------|----------------------------------|
| MES interface function board | GT16-MESB | For MES interface function board |

2. SPECIFICATIONS

The following shows the performance specifications of the MES interface function board. The general specifications of the MES interface function board are the same as those of the GOT. For the general specifications of the GOT, refer to the User's Manual for the GOT used.

| Item | Specifications |
|---------------------------------------|--------------------------------------|
| | GT16-MESB |
| Function | Applicable to MES interface function |
| Internal current consumption (3.3VDC) | 0.012A |
| Weight | 0.003kg(0.0066lb) |

3. PART NAMES AND EXTERNAL DIMENSIONS



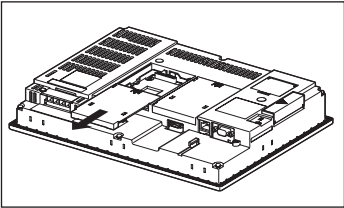
Unit: mm (inch)

| No. | Name | Description |
|-----|-------------------|--|
| 1) | Fixing screw hole | Screw for fixing the unit to the GOT (M2.6 screw) |
| 2) | Connector | For connecting the MES interface function board of the GOT |
| 3) | Rating plate | — |

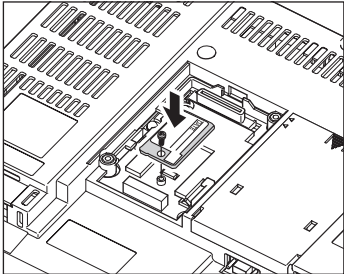
4. INSTALLATION PROCEDURE

The installation procedure for the MES interface function board is explained using the GT1575.

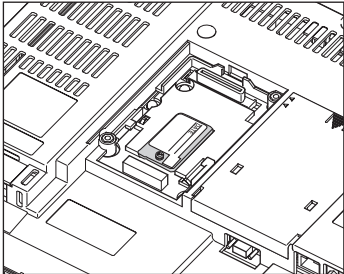
- Turn off the GOT.
- Remove the extension unit cover (Interface 1 side) of the GOT rear face.



- Install the option function to the MES interface function board interface of the GOT. (When the expansion unit is installed on the GOT, remove it before installing the MES Interface function board.)



- Tighten the fixing screw with a torque of 0.25 to 0.35 Nom to fix the unit.



Warranty

Mitsubishi will not be held liable for damage caused by factors found not to be the cause of Mitsubishi; machine damage or lost profits caused by faults in the Mitsubishi products; damage, secondary damage, accident compensation caused by special factors unpredictable by Mitsubishi; damages to products other than Mitsubishi products; and to other duties.

For safe use

- This product has been manufactured as a general-purpose part for general industries, and has not been designed or manufactured to be incorporated in a device or system used in purposes related to human life.
- Before using the product for special purposes such as nuclear power, electric power, aerospace, medicine or passenger movement vehicles, consult with Mitsubishi.
- This product has been manufactured under strict quality control. However, when installing the product where major accidents or losses could occur if the product fails, install appropriate backup or failsafe functions in the system.

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Specifications subject to change without notice.
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