

mitsubishi

GT05 Protective Cover for Oil User's Manual

GT05-90PCO
GT05-80PCO
GT05-70PCO
GT05-60PCO
GT05-50PCO

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	GT05-PCO-U
MODEL CODE	1D7M71
IB(NA)-0800390-B(0804)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.

[INSTALLATION PRECAUTIONS]

DANGER

- Make sure to externally shut off all phases of the power supply before mounting/removing the GOT to/from the control panel. Failure to do so may cause electric shocks, fires or GOT failures.

CAUTION

- When mounting the GOT to the control panel, make sure to tighten screws within the specified torque range. Loose tightening may cause the GOT to fall or malfunction. Overtightening may damage screws and/or the GOT, resulting in GOT falling or malfunctions.

[DISPOSAL PRECAUTIONS]

CAUTION

- Dispose of the product as industrial waste.

Manuals

The following manuals are related to this product.

Detailed Manual	
Manual name	Manual Number (Model code)
GT15 User's Manual (Option)	SH-080528ENG (1D7M23)

Relevant Manuals

For relevant manuals, refer to the PDF manual stored within the drawing software used.

© 2007 MITSUBISHI ELECTRIC CORPORATION

Packing List

The following item is included.

Manual name	Item	Quantity
GT05-90PCO GT05-80PCO GT05-70PCO GT05-60PCO GT05-50PCO	Protective cover for oil	1
	USB connector protective sticker	1

1. Overview

This user's manual explains the GT05 protective cover for oil (hereinafter referred to as protective cover for oil). Use of the protective cover for oil improves waterproof property, oil resistance, and chemical resistance of the GOT.*1

*1:It is not the one to guarantee all customer's environments. Moreover, it is not likely to be able to use it in the environment to which oil or the medicine splashes for a long time and the environment with which Oilmist is filled.

The following table shows protective covers for oil and the applicable GOT.

Model	Applicable GOT
GT05-90PCO	GT1595
GT05-80PCO	GT1585
GT05-70PCO	GT1575, GT1572
GT05-60PCO	GT1565, GT1562
GT05-50PCO	GT1555, GT1550, GT1155.b GT1150

2. Specifications

2.1 Performance specifications

The performance specifications of the protective cover for oil are indicated below. The general specifications of the protective cover for oil are the same as those of the GOT. *1

*1:It is not the one to guarantee all customer's environments. Moreover, it is not likely to be able to use it in the environment to which oil splashes for a long time and the environment with which Oilmist is filled.

For the general specifications of the GOT, refer to GT15 User's Manual.

Item	GT05-90PCO	GT05-80PCO	GT05-70PCO	GT05-60PCO	GT05-50PCO
Level of protection	IP67 Caution:Oil or the medicine might not be able to splash for a long time, and to use it in the environment with which Oilmist is filled.				
Material	Cover: Nitrile rubber, Display: PET sheet				
Weight	0.310kg	0.195kg	0.185kg	0.135kg	0.080kg

POINT	
For installing the GOT with the protective cover for oil, the control panel thickness must be 2 to 3mm because of the cover thickness. (Control panel thickness without the cover: 2 to 4mm)	

2.2 Oil resistance, chemical resistance

The protective cover for oil is made of materials with high oil and chemical resistance so that the cover can be used in various oil and chemical atmospheres.

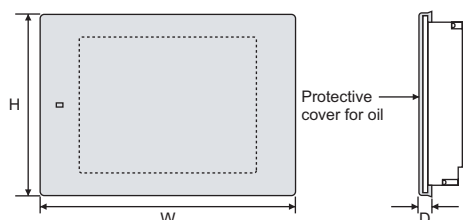
Because oils, including cutting oils, contain a small amount of additives depending on oil products, oil resistance of the cover cannot be stated.

Prior to use the cover, test the cover in operating environments, and then check the oil and chemical resistance of the cover.

- Test contents and oil resistance of cover
The protective cover for oil is soaked in the following oils for 2000 hours, and then oil resistance of the cover is checked.

Oil type	Product	Change in appearance and dimension	Adhesion between cover and sheet	Oil resistance
Water-insoluble cutting oil	Grinding oil (Yushiron oil CL35)	No change	No change	○
Water-soluble cutting oil	Grinding oil (Noritake cool CG-50P)	No change	No change	○

3. External Dimensions

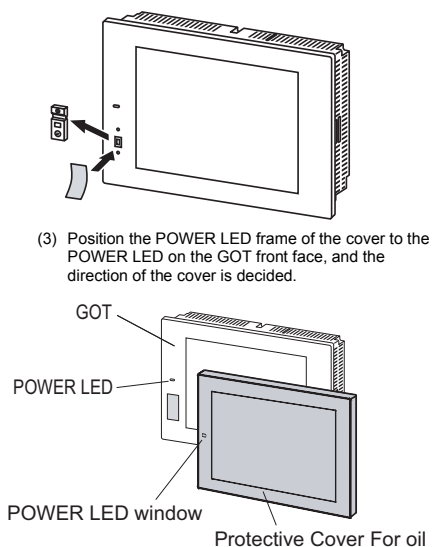


Dimensions	GT05-90PCO	GT05-80PCO	GT05-70PCO	GT05-60PCO	GT05-50PCO
W	408 (16.06)	327 (12.87)	314 (12.36)	252 (9.92)	178 (7.01)
H	307 (12.09)	253 (9.96)	228 (8.98)	201 (7.91)	146 (5.75)
D	12 (0.47)	12 (0.47)	12 (0.47)	12 (0.47)	12 (0.47)

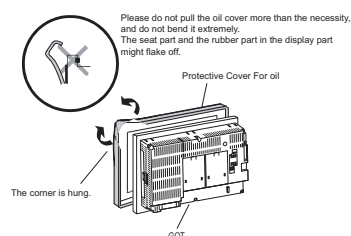
Unit: mm (inch)

4. Installation Procedure

- When the USB environmental protection cover is installed on the GOT, remove the cover.
- After removing the cover, put the USB connector protective sticker on the USB connector.

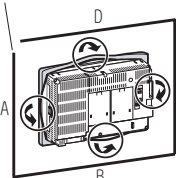


- One corner of the cover is pulled outside, and it hangs it on the corner of the front panel of GOT.



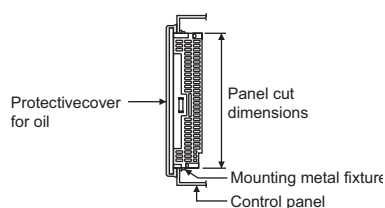
- The oil cover was hung and the edge of the oil cover is sequentially obtained and obtain the oil cover to cover rubber packing parts in the back of GOT of the front panel. (It is the order of the arrow from A side to D side.)

The corner on the left is hung and the oil cover is hung from A side to D side on the starting point sequentially.



POINT	
Please confirm all surroundings. Whether the rubber packing part is surely covered to prevent going into such as the liquids in the board.	

- Mount the GOT onto the control panel. When the control panel is dirty, clean the control panel. The panel cutting dimensions and mounting screw tightening torque with the protective cover for oil are the same as those without the cover. Mount the GOT onto the control panel by referring to GT15 User's manual.



POINT	
For attaching the protective cover for oil to the GOT already mounted on the control panel, follow the procedures as below.	
Remove the GOT from the control panel. Make sure to externally shut off all phases of the power supply and remove all cables from the GOT in advance.	
Clean dirt off surfaces of the GOT and control panel.	

5. Precautions for Use

- The protective cover for oil is a consumable product. Check the cover for scratch, damage or dirt at regular intervals, and replace with new one if necessary.
- Do not push the protective cover for oil with pointed tools, including mechanical pencils and screwdrivers. Doing so causes scratches and damages of the cover.
- Do not clean the protective cover for oil with bleaches, thinners, organic solvents, corrosive chemicals, and others. Doing so causes changes in shape and color of the cover.
- When the protective cover for oil is attached to the GOT, do not stretch and bend the cover too much. Doing so may cause a separation between the sheet and rubber.
- Do not place or use the protective cover for oil in direct sunshine.
- When the protective cover for oil gets dusts, wipe the dusts off with a damp cloth.
- When the protective cover for oil is used, the USB connector on the GOT front face cannot be used.
- When the protective cover for oil is used, the human sensor does not correctly operate. Disable the human sensor with the utility. For the human sensor setting, refer to GT15 User's Manual.
- Do not do a frequent detaching the protective cover for oil. It causes deterioration in the waterproof function, the oil performance, and the medicine performance.
- It is not the one to guarantee all customer's environments. Moreover, it is not likely to be able to use it in the environment to which oil splashes for a long time and the environment with which Oilmist is filled.

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.

Country/Region	Sales office/Tel
U.S.A	Mitsubishi Electric Automation Inc. 500 Corporate Woods Parkway Vernon Hills, IL 60061, U.S.A. Tel : +1-847-478-2100
Brazil	MELCO-TEC Rep. Com.e Assessoria Tecnica Ltda. Rua Correia Dias, 184, Edificio Paraiso Trade Center-8 andar Paraiso, Sao Paulo, SP Brazil Tel : +55-11-5908-8331
Germany	Mitsubishi Electric Europe B.V. German Branch Golhaer Strasse 8 D-40880 Ratingen, GERMANY Tel : +49-2102-486-0
U.K	Mitsubishi Electric Europe B.V. UK Branch Travellers Lane, Hatfield, Hertfordshire., AL10 8XB, U.K. Tel : +44-1707-276100
Italy	Mitsubishi Electric Europe B.V. Italian Branch Centro Dir. Colleoni, Pal. Perseo-Ingr.2 Via Paracelso 12, I-20041 Agrate Brianza., Milano, Italy Tel : +39-039-60531
Spain	Mitsubishi Electric Europe B.V. Spanish Branch Carretera de Rubi 76-80, E-08190 Sant Cugat del Valles, Barcelona, Spain Tel : +34-93-565-3131
France	Mitsubishi Electric Europe B.V. French Branch 25, Boulevard des Bouvelts, F-92741 Nanterre Cedex, France TEL: +33-1-5568-5568
South Africa	Circuit Breaker Industries Ltd. Private Bag 2016, ZA-1600 Isando, South Africa Tel : +27-11-828-2000
Hong Kong	Mitsubishi Electric Automation (Hong Kong) Ltd. 10th Floor, Manulife Tower, 169 Electric Road, North Point, Hong Kong Tel : +852-2887-8870
China	Mitsubishi Electric Automation (Shanghai) Ltd. 4/F Zhi Fu Plaza, No.80 Xin Chang Road, Shanghai 200003, China Tel : +86-21-6120-0808
Taiwan	Setsuyo Enterprise Co., Ltd. 6F No.105 Wu-Kung 3rd.Rd, Wu-Ku Hsiang, Taipei Hsine, Taiwan Tel : +886-2-2299-2499
Korea	Mitsubishi Electric Automation Korea Co., Ltd. 1480-6, Gayang-dong, Gangseo-ku Seoul 157-200, Korea Tel : +82-2-3660-9552
Singapore	Mitsubishi Electric Asia Pte. Ltd. 307 Alexandra Road #05-01/02, Mitsubishi Electric Building, Singapore 159943 Tel : +65-6470-2460
Thailand	Mitsubishi Electric Automation (Thailand) Co., Ltd. Bang-Chan Industrial Estate No.111 Moo 4, Serithai Rd, T.Kannayao, A.Kannayao, Bangkok 10230 Thailand Tel : +65-2-517-1328
Indonesia	P.T. Autoteknindo Sumber Makmur Muara Karang Selatan, Block A/Utara No.1 Kav. No.11 Kawasan Industri Pergudangan Jakarta - Utara 14440, P.O.Box 5045 Jakarta, 11050 Indonesia Tel : +62-21-6830833
India	Messung Systems Pvt. Ltd. Electronic Sadan NO-III Unit No15, M.I.D.C Bhosari, Pune-411026, India Tel : +91-20-2712-3130
Australia	Mitsubishi Electric Australia Pty. Ltd. 348 Victoria Road, Rydalmere, N.S.W 2116, Australia Tel : +61-2-9684-7777

MITSUBISHI ELECTRIC CORPORATION
HEAD OFFICE: TOKYO BUILDING, 2-7-3 MARUNOUCHI, CHYODA-KU, TOKYO 100-8310, JAPAN
NAGOYA WORKS: 1-14, YADA-MINAMI 5-CHOME, HIGASHI-KU, NAGOYA, JAPAN

When exported from Japan, this manual does not require application to the Ministry of Economy, Trade and Industry for service transaction permission.

Specifications subject to change without notice.
Printed in Japan