



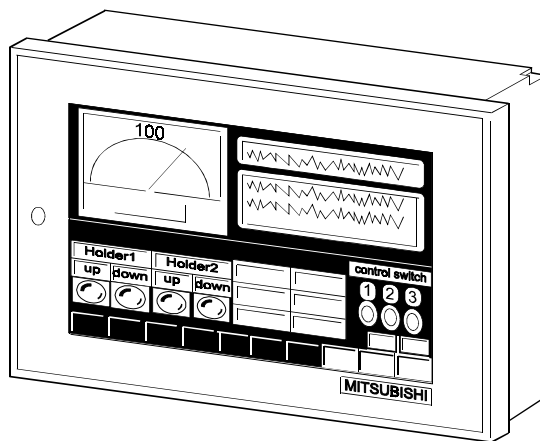
GENERAL-PURPOSE  
GRAPHIC OPERATION TERMINAL

2000 No.124E

NEW PRODUCT RELEASE

**A950GOT-TBD(-M3), A951GOT-QTBD(-M3), A951GOT-TBD(-M3),  
A953GOT-TBD(-M3), A956GOT-TBD(-M3)**

**New!**



256 color  
High-luminance  
TFT color  
liquid crystal

50,000 hour  
backlight life  
realized

### [Features]

1) Outstandingly clear

A high-luminance TFT color liquid crystal display (industry's highest class 350cd/m<sup>2</sup>\*1, 8-stage luminance adjustment possible) is incorporated in addition to the 256-color display, so a bright and clear screen can be displayed.

The display area's view angle is 65° to the upper left/right and 45° to the bottom.

2) Compatible with various connection formats

The A950/951/953GOT has various internal communication interfaces for each model, so a communication board or communication module does not need to be connected to the GOT.

Other PLC and microcomputer brands can also be connected to the A950/953GOT.

By mounting various modules on the A956GOT, a bus, MELSECNET or Control & Communication Link (CC-Link) connection can be realized.

3) Replacement of backlight no longer necessary

A 50,000-hour life backlight is incorporated, so the backlight does not need to be replaced for more than ten years \*2.

By using the backlight OFF function, the working life can be extended further.

\*1. Luminance for independent liquid crystal unit.

\*2. Number of years obtained by calculating display unit operation time as 12 hours/day, 300 days/year.

With the A95\*GOT-(Q)TBD-M3:

The MELSEC-A Series CPU list editor function, Network monitor function and Recipe function can be used.

**MELSEC-A CPU list editor function**

List edit window

**Network monitor function  
(Compatible with MELSECNET/10, (II),/B)**

Host-station monitor screen

Other station monitor screen

Detailed own station monitor screen

**[List of function comparisons]**

○:Possible    — : Not possible

Type	System monitor function	MELSEC-A Series CPU list editor function	Network monitor function	Recipe function
A95*GOT-(Q)TBD-M3*1	○	○*2	○	○
A95*GOT-(Q)TBD*1	○	—	—	—

\*1 The Ladder monitor function and Special unit monitor function cannot be used with the A95\*GOT.

\*2 For the A951GOT-QTBD-M3, the other station's MELSEC-A Series is the target.

**[List of connection forms]**

○: Connection possible    — : Connection not possible

Connection form		A950GOT-T BD-(M3)	A951GOT-Q TBD-(M3)	A951GOT-T BD-(M3)	A953GOT-T BD-(M3)	A956GOT-T BD-(M3)
CPU direct connection	QCPU (Q/A mode)	—	—	—	○	—
	A/QnA/FX/Motion controller CPU	○	—	—	—	—
Bus connection	QCPU (Q mode)	—	○*1	—	—	○
	A/QnA/FX/Motion controller CPU	—	—	○*1	—	○
Computer link connection	RS-232C communication	—	—	—	○	—
	RS-422 communication	○	—	—	—	—
MELSECNET connection		—	—	—	—	○
CC-Link connection		—	—	—	—	○
Microcomputer connection		○	—	—	○	—
Other PLC connection		○*2	—	—	○*3	—

\*1 For connection of one bus connection GOT module, or for connection as terminator of multiple GOT modules.

\*2 Connection with Omron, Sharp, Yasukawa and Toshiba PLCs is possible.

\*3 Connection with Omron, Sharp, Yasukawa, Toshiba, Allen-Bradley co. inc, and SIEMENS AG PLCs is possible.

## [Performance Specifications]

Item		Specifications
Display section	Type	TFT color liquid crystal (8-stage luminance adjustment possible)
	Display size [cm] (inch)	15 (6)
	Resolution [dots]	320 × 240
	Display size [mm] (inch)	115 (4.5) (W) × 86 (3.4) (H)
	Display color [color]	256
Memory	Type	Flash ROM
	Application	For monitor screen data storage, for OS storage
	Capacity	1M byte built-in (user area) (-M3 has 3M bytes and is compatible with optional OS)
RS-232C interface		For connection of personal computer, for bar-code reader connection, 1 channel
Option module interface		For option module loading, 1 channel
Buzzer output		Single tone (tone length adjustable)
Backlight * 1		Cold cathode fluorescent tube backlight (Backlight OFF/screen saving time setting allowed)
Life	Display section [h]	50,000 (Operating ambient temperature: 25°C)
	Backlight [h]	50,000 (Time when display luminance reaches 50% at the operating ambient temperature of 25°C)
	Touch key	1 million times or more (operating force 0.98N max.)
	Built-in memory	Number of write times: 100,000 times
Environmental protective structure		Equivalent to IP65F (front section)
Outline dimensions [mm] (inch)		164.5 (6.48) (W) × 136 (5.35) (H) × 65 (2.56) (D)
Panel cutting dimensions [mm] (inch)		156 (6.14) (W) × 123.5 (4.86) (H)
Weight [kg] (lb)		0.71 (1.56)
Compatible software package		SW4D5C-GOTR-PACKE Version A and above

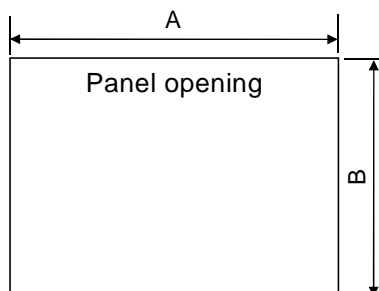
\*1 A95\*GOT-TBD(-M3) backlight cannot be replaced by the user.

When backlight must be changed, consult your sales representative.

## [Power supply Specifications]

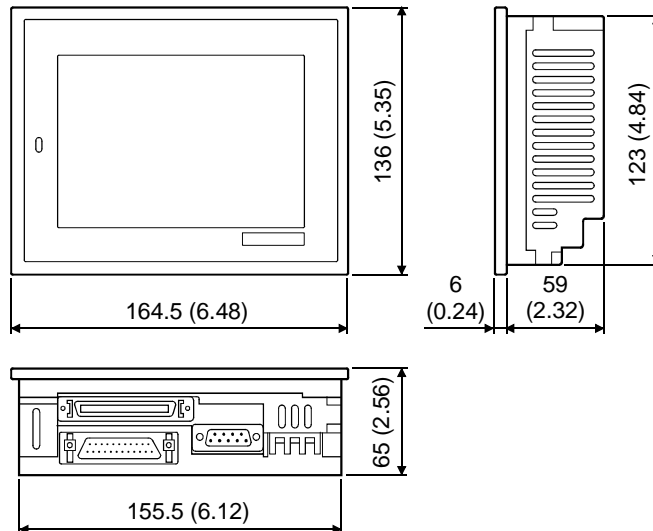
Item	Specifications	
	A950/951/953GOT-(Q)TBD(-M3)	A956GOT-TBD(-M3)
Input power supply voltage	24VDC (+10%, -15%)	
Input max. power [W]	12	16
Inrush current [A]	40 max. (26.4VDC, max. load)	
Applicable wire size [mm <sup>2</sup> ]	0.75 to 2	
Applicable solderless terminal	RAV1.25-3, V2-S3.3, V2-N3A, FV2-N3A	

## [Panel cutting dimensions ]



A [mm] (inch)	B [mm] (inch)
156 (6.14) [+1.0 (0.04), -0 (0)]	123.5 (4.86) [+1.0 (0.04), -0 (0)]

## [Outline dimensions ]



Unit (mm(inch))

## [Manuals]

Manual name	Manual shipment type	Manual No. (Type code)
A950GOT-TBD/SBD/LBD(-M3) A951GOT-QTBD/QSBD/QLBD(-M3) A951GOT-TBD/SBD/LBD(-M3) A953GOT-TBD/SBD/LBD(-M3) A956GOT-TBD/SBD/LBD(-M3) User's Manual (Hardware)	Found in the packing of the A95*GOT	IB-0800018-C (13JQ26)
A950GOT/A951GOT/A953GOT/A956GOT User's Manual	Available as option	SH-080018-B (13JL92)

\* Note that the specifications are subject to change without notice.

Country/Region	Sales office	Tel/Fax
U.S.A	Mitsubishi Electric Automation Inc. 500 Corporate Woods Parkway Vernon Hills, IL 60061	Tel : 1-847-478-2100 FAX: 1-847-478-0328
Brazil	MELCO-TEC Rep. Com.e Assessoria Tecnica Ltda. Av. Rio Branco, 123-15 ,and S/1507, Rio de Janeiro, RJ CEP 20040-005, Brazil	Tel : 55-21-221-8343 FAX: 55-21-221-9388
Germany	Mitsubishi Electric Europe B.V. German Branch Gothaer Strasse 8 D-40880 Ratingen, GERMANY	Tel : 49-2102-486-0 FAX: 49-2102-486-717
U.K	Mitsubishi Electric Europe B.V. UK Branch Travellers Lane, Hatfield, Herts., AL10 8XB,UK	Tel : 44-1707-276100 FAX: 44-1707-278695
South Africa	MSA Manufacturing (Pty) Ltd. P O Box 39733 Bramley 201 8 Johannesburg, South Africa	Tel : 27-11-444-8080 FAX: 27-11-444-8304
Hong Kong	Ryoden International Ltd. 10th Floor, Manulife Tower, 169 Electric Road, North Point, HongKong	Tel : 852-2887-8870 FAX: 852-2887-7984
China	Ryoden International Shanghai Ltd. 3F Block5 Building Automation Instrumentation Plaza 103 Cao Bao Rd. Shanghai 200233 China	Tel : 86-21-6475-3228 FAX: 86-21-6484-6996
Taiwan	Setsuyo Enterprise Co., Ltd. 6F., No.105 Wu-Kung 3rd.RD, Wu-Ku Hsiang, Taipei Hsine, Taiwan R.O.C.	Tel : 886-2-2299-2499 FAX: 886-2-2299-2509
Korea	STC Techno Seoul Co., Ltd. 1F Dong Seo Game Channel Bldg., 660-11, Deungchon-dong Kangsec-ku, Seoul, Korea	Tel : 82-2-3668-6567 Fax : 82-2-3664-8335
Singapore	Mitsubishi Electric Asia Pte, Ltd. 307 ALEXANDRA ROAD #05-01/02, MITSUBISHI ELECTRIC BUILDING SINGAPORE 159943	Tel : 65-473-2480 FAX: 65-476-7439
Thailand	F. A. Tech Co.,Ltd. 1138/33-34 Rama 3 Road, Yannawa, Bangkok 10120, Thailand	Tel : 66-2-295-2861 FAX: 66-2-295-2865
Indonesia	P.T. Autoteknindo SUMBER MAKMUR Kompleks Agung Sedayu Propertindo (Harco Mangga Dua) Blok H No.4 Jl Mangga Dua Raya Jakarta Pusat 10730-Indonesia.	Tel : 62-21-336292 FAX: 62-21-330378
India	Messung Systems Put,Ltd. Electronic Sadan NO:111 Unit No15, M.I.D.C BHOSARI,PUNE-411026	Tel : 91-20-7128927 FAX: 91-20-7128108
Australia	Mitsubishi Electric Australia Pty. Ltd. 348 Victoria Road, PostalBag, No 2, Rydalmere, N.S.W 2116, Australia	Tel : 61-2-9684-7777 FAX: 61-2-9684-7245

**MITSUBISHI ELECTRIC CORPORATION**  
HEAD OFFICE:MITSUBISHI DENKI BLDG MARUNOUCHI TOKYO 100-8310 TELEX:J24532 CABLE MELCO TOKYO