Starting new user communication ...



mproved response time in all of drawing, operation and communication

Faster and more comfortable

The GOT is equipped with the 64-bit RISC processor at the top level in the field. Operation processing at higher speed results in more comfortable operations and smoother drawing. The mounted USB interface* and serial

communication ports provide higher speed and an improved response time.*1

Expansive 3MB user memory for multiple configuration screens

- Using BMP images and outline fonts, a large variety of operation screens can be created. Complicated layouts are achieved with the layer function.



5.7-inch STN type liquid crystal display with higher intensity and wider view angle

- The 5.7-inch STN type LCD offers 320 x 240 dot resolution. The maximum brightness of 350 cd/m² offers clear images in a range of
- lighted environments. The wide view angle* of 50° leftward and rightward, 50° upward and 60°
- downward improves the workability.*2

Adoption of 256 colors (BMP images) has realized rich expressions in the medium size GOT. With the monochrome type, the gray display with 16 tones has enabled excellent expressions not available in conventional units



Globally flexible and more convenient

Creation of only one startup screen

Image screens can be set using GT Designer2, and an arbitrary screen can be displayed when the GOT1000 is booted.*3

A variety of fonts allowing rich expressions

- True type fonts enable beautiful display
- from small characters to large characters. Character decorations (italic, underline, and italic with underline) enable various 🕂
- expressions. The Mincho font and Gothic font are
- mounted as standard.



Easily maintainable and more extendable.

System monitoring function enabling monitoring Extended communication protocols and and change of devices in the PLC CPU

- Devices in the PLC CPU can be monitored and changed
- Specified devices can be monitored.
- Current values and set values of timers and counters can be changed.
- The buffer memory in special function units can be monitored and Not only connection to servo units and inverters but also connection to changed.
- The display format (decimal or hexadecimal) and device comments Compatible with GT Simulator2 Ver. 2 and GT (displayed or hidden) can be changed.

Reduced load in the system, improved maintainability, and mounted Operations are performed and results are displayed script function

The load applied on the PLC CPU, micro 🔜 computer, etc. is reduced when the GOT display is controlled by a script. Scripts are unique to the GOT and similar to the C language, allowing programmers to use their favorite commercial editors.



extended applicability enabling connection to various equipment

- Not only Mitsubishi PLCs but also PLC connection drivers manufactured by other companies can be connected
- various temperature controllers and micro computers is enhanced.

Designer2 Ver. 2

- Screens can be created using the GT Designer2 Ver. 2 in the same way as conventional units.

- The screen data for the GOT900 can be converted for the GOT1000.*4
- The GT Simulator2 Ver. 2 is available. Touch switch inputs can be simulated in the personal computer. Because the system alarm information and script error information can be checked, programs can be debugged without using the actual machine.

GT Designer 2 Version2 GT Simulator 2 Version2

*4 Some data and functions cannot be converted. For details on the GOT1000 Series, refer to the GOT1000 catalog

*3 BMP images are available



Performance specifications

play	Туре		STN type color LCD STN type monochrome LCD					
а	Resolution (dots)		320 × 240					
a	Display size (mm)		115 W x 86 H (5.7 inch)					
		of displayed	16-dot font: 40 characters x 15 lines					
	characte		12-dot font: 53 characters x 20 lines					
	Display	color	256 colors	Monochrome with 16 tones				
	View an	gle (degrees)	50° leftward and rightward,	45° leftward and rightward,				
			50° upward and 60° downward	20° upward and 40° downward				
	Contras	t adjustment	Adjustable in 16 steps					
	Individu	al liquid crystal	280 to 350 160 to 220					
	intensity	/ (cd/m²)	(Adjustable in 8 steps, adjusted	to maximum value at shipment)				
	Life		Approximately 50,000 hours					
			(Ambient operating temperature: 25 °C), guarantee: 1 year *1					
:k light			Cold cathode (not replaceable)					
			Back light OFF time and screen save time can be set.					
			Back light bulb blow detection function is provided.					
	Life			Approximately 54,000 hours or more,				
			guarantee: 1 year *1	guarantee: 1 year *1				
			(Intensity: 50%) (ambient operating temperature: 25 °C)					
	Number of touch points			atrix configuration: 20 x 15)				
iel			(Number of points allowing simultaneous touch: 2 maximum)					
	Key size	(dots)	16 x 16 minimum (per key)					
	Life		1,000,000 times or more (operation force: 0.98 N or less)					
zzer ou	tput		Single tone (adjustable among long, short and none)					
mory	C drive *2		Built-in flash memory for storing project data (3 MB) and OS					
ich hel mory tery It-in erface	Life		100,000 times (number of times of write)					
	D drive type		Built-in SRAM of 512 kB (backed up by battery)					
ich hel mory tery			Lithium battery GT11-50BAT					
	Backup	target	Clock data, alarm history and recipe data					
	Life		Replacement timing: Approximately 5 years					
			(Ambient temperature: 25 °C), guarantee: 1 year *1					
	RS-422	Туре		hould be selected for operation.				
erface			RS-422 is selected at shipment.) Transmission speed:					
				19,200/9,600/4,800 bps				
		Connector shape		n type (male)				
		Application	Communication with connected equipment					
			(Only either RS-422 or RS-232 can be used at one time.)					
	RS-232 Type Connector shape Application			nsmission speed:				
			115,200/57,600/38,400/19,200/9,600/4,800 bps					
			Mini-DIN 6-pin type (female)					
			Communication with personal computer					
			(Screen data upload and download, OS installation and FA transparent function)					
	USB Type Connector shape		USB (full speed: 12 Mbps), 1 slave channel					
			Mini-B (receptacle)					
		Application	Communication with personal computer					
		-	(Screen data upload and download, OS installation and FA transparent function) In conformance to PCMCIA, compact flash slot, 1 channel					
	CF card							
		Connector shape	Dedicated to Type I					
		Application	Data transfer and data storage or the product is 1 year after the product is purchased by the customer or					

red to a designated place. The distribution period after shipment is set to 6 months maximum, and the period of 18 months is regarded as the upper limit of the charge-free guarantee. The charge-free guarantee period of a repaired product does not exceed the charge-free guarantee period before repai ^{*}2: The memory ROM allows overwrite of new data without deletion of existing data.

.....

Power supply speci	fications			Life	
literer.	Specifi	Specifications			
ltem	GT1155HS-QSBD	GT1150HS-QLBD		ector switch	
Supply voltage	24 V DC (+10% -15%) 1.0 A (built in and not replaceable)				
Fuse	1.0 A (built in and	LEC	POWER LE		
Power consumption	9.84 W or less (410 mA, 24 V DC)	9.36 W or less (390 mA, 24 V DC)			
While back light is OFF	4.32 W or less (1		Operation		
Rush current	15 A or less (2)		status ind		
Allowable momentary power failure period	Within	n 5 ms		Grip swite indicator	

▲ Safety Warning To ensure proper use of the products listed in this catalog, please be sure to read the instruction manual prior to use.

ᄎ MITSUBISHI ELECTRIC CORPORATION HEAD OFFICE: TOKYO BUILDING, 2-7-3 MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN

HIME JI WORKS' 840, CHIYODA CHO, HIME JI, JAPAN

The USB cable can only be used between GT Designer2 and the GOT. ? The view angle is 45° leftward and rightward, 20° upward and 40° downward in the mo

For people all over the world Compatibility with Unicode2.1 enables display of languages in many ელ countries and areas, and contributes to the export of units. GOT

- Simple creation of language changeover screen The language changeover screen (for Japanese, English and Chinese, for example) can be easily created.
- Ten types of changeover screens can be set for one comment. Without regard to the language, changeover screens can be set in accordance with the application.





HIME-B212-A0604 Printed in Japan (MEE)



General specifications

ltem

ltem

Life

ration swi

	Specifications					
temp.	0 to 40 °C					
mp.	-20 to +60 °C					
/	10 to 90 %RH (no dew condensation)					
5	In conforman	ce to JIS B350	2 and IEC 61131	-2		
		Frequency	Acceleration	Amplitude	10 times in	
	Intermittent vibration	5 to 9 Hz	-	3.5 mm	each of X, Y and	
		9 to 150 Hz	9.8 m/s ²	-	Z directions	
	Continuous	5 to 9 Hz	-	1.75 mm]	
	vibration	9 to 150 Hz	4.9 m/s ²	-		
	In conformance to JIS B3502 and IEC 61131-2 (147 m/s ² , 3 times in each of X, Y and Z directions)					
	Noise voltage: 1000 Vp-p, noise width: 1 µs (Using noise simulator whose noise frequency is 30 to 100 Hz)					
d voltage						
e	10 MΩ or more using 500 V DC megger (Between all power terminals and ground)					
re	Not corrosive					
e	Equivalent to IP65F (except when external connection cable is disconnected of when environmental protection cover is removed)					
	Approximately 1.0 kg (2.2 lbs) (only main unit)					

Switch/indicator LED specifications

cator					
	Specifications				
	Connected with external connection cable. 6 pieces (6 contacts/common) N/O contact, 10 mA /24 V DC				
	1,000,000 times or more				
	Connected with external connection cable. 3-position (OFF <> ON <> OFF) type enable switch (Deadman switch) 2 N/O contacts, 1 A / 24 V DC (resistive load), 0.3 A / 24 V DC (inductive load)				
	100,000 times or more				
vitch	Connected with external connection cable. 2 N/C contacts, 1 A / 24 V DC (resistive load), 0.3 A / 24 V DC (inductive load)				
	: 100,000 times or more				
:h key	Connected with external connection cable. 2-position, 1 A / 24 V DC (resistive load), 0.3 A / 24 V DC (inductive load)				
	100,000 times or more				
	1 piece (Lit in green: Power is ON. Lit in orange: Screen is saved or back light is OFF. Blinking in orange/green: Back light bulb is blown. Not lit: Power is OFF.)				
vitch tor LED	6 pieces, green (whose lighting is controlled by display area)				
tatus)	1 piece, green (whose lighting is controlled by display area)				

MITSUBISHI ELECTRIC GRAPHIC OPERATION TERMINAL

GT1155HS-QSBD GT1150HS-QLBD



Handy Control GOT **Operation box at** your fingertips!

Newly launched handy terminals





BO

New publication, effective Apr. 2006 Specifications subject to change without notice.

GOTIOD Series



POWER LED

stop a machine.

The handy graphic operation terminals GT1155HS-QSBD and GT1150HS-QLBD boast top level quality for medium sized terminals and share the same functions as those of the GT11 Series. Along industries. For convenient and comfortable control at your fingertips,

For data transfer and multi-unit setup

[CF card interface]

The Compact Flash (CF) card enables fast data The USB interface transfer in the handy GOT without a personal approximately 1/

computer connection. When two or more GOT units are used, data can The startup tir easily be set up with a single CF card.













Emergency stop switch

switch is adopted for preventing operation mistakes from accidents where the GOT may be dropped. located on the backside of the unit. The switch can directly control external equipment of the GOT.



lock is reset when the vitch is pressed or released Faster

communication s

considerably redu

	More connectable equipment	Connection	ables be	tween handy GOT and	FA equipment			
SB interface]	[RS-232/RS-422 interface]		-					
	RS-232 or RS-422 communication can be selected	0		RS-232/RS-422		RS-232/RS-422	FA equipment	
oth of the conventional RS-232 ed.	for the communication type depending on the connected equipment.	Cutting Feed Correction	ction Name				Power supply or operation switch	
e and adjustment time are	RS-232/RS-422 connection selectable connector	Abrude (Poter Barren Rater 0/234		External connection cable Relay cable for connection between PLCs RS-232/RS-422				
]			FA equipment	
roject data download time 38.4kbps		Handy	GOT	• External connection cab	le		Power supply or operation switch	
Approximately 20 times faster		- Tanay						
	Battery RS-232 RS-422 connector connector	Model name	Connection type	External connection cable	Relay cable for connection between FA equipment	Connected FA equipment	Connection port	
Amager o						FX3U	CPU programming port or FX3U-422-BD	
	RS-232 interface					FX2N	CPU programming port or FX2N-422-BD	
	USB interface CF card interface				GT11H-C15R4-8P(1.5m)	FX15, FX1N	CPU programming port or FX1N-422-BD	
	2		RS- 422	GT11H-C***-37P		FX1NC, FX2NC	CPU programming port	
	RS-232/RS-422 connection	GT1155HS-QSBD			GT11H-C15R4-25P(1.5m)	A/QnA/A motion controller	CPU programming port	
0	selectable connector	GT1150HS-QLBD			Prepared by user	Any connectable FA equipment	_	
				GT11H-C***	_	A computer link unit, QnA/Q serial commu- nication unit, Mitsubishi inverter, separate manufactured PLC, micro computer, servo, CNC or temperature controller	Use the end of the GT11H-C** according to the connected equipment specification.	
			RS- 232	GT11H-C30-37P	GT11H-C15R2-6P(1.5m)	Q	CPU programming port	
				GT11H-C30-37P	Prepared by user	Any connectable FA equipment	_	
	Safety hand strap			GT11H-C***	-	A computer link unit, QnA/Q serial commu- nication unit, Mitsubishi inverter, separate manufactured FA equipment, micro com- puter, CNC or servo	Use the end of the GT11H-C** according to the connected equipment specification.	



For supporting handheld operation

[Hand strap]

For flexible use in many ways [Hanging on wall, shoulder or neck]

The three-position (OFF-ON-OFF) type deadman The hand strap on the rear face offers protection The GOT can be hung on the wall using the hook

The added protection aids in extending the lifetime When a neck or shoulder strap (arranged by the user) is attached to the hook for strap attachment, the GOT can be hung on an operator's shoulder while it is carried during operation.



Useful Accessory Devices

exceed 11.5 meters.

2.2lbs)





 Protection sheet GT11H-50PSC

The connection distance between the handy GOT and the PLC should not The connection distance between the handy GOT and the PLC should not

Description Manual.

 Replacement battery GT11-50BAT

exceed 6 meters. When the connection distance between the handy GOT

and the PLC is longer than the cable length shown in the table above, the

user should prepare a relay cable for connection between FA equipment.

For details on connection cables types, refer to the Handy GOT General

 External connection cables GT11H-C30-37P GT11H-C60-37P GT11H-C100-37P GT11H-C30 GT11H-C60 GT11H-C100

• Relay cables for FA equipment GT11H-C15R4-8P GT11H-C15R4-25P GT11H-C15R2-6P • RS-232 cable GT01-C30R2-6P • USB cable

GT09-C30USB-5P