



Turn the screen

instead of your head!

Other functions:

Operator authentication function Q motion monitoring function Q SFC monitoring function **System monitoring function Network monitoring function** Intelligent unit monitoring function

A/FX list editing function and more



Ergonomic grip design

natural wrist angle, as well as making the screen easier to read.



Power supply specifications

em	Specifications
put power supply voltage	24 VDC (+10%, -15%)
wer consumption	11.6 W or less (480 mA, 24 VDC)
hen back light is OFF	8.2 W or less (340 mA, 24 VDC)
ish current	30 A or less (2 ms, at max. load)
lowable momentary power failure period	Within 5 ms

Performance specifications

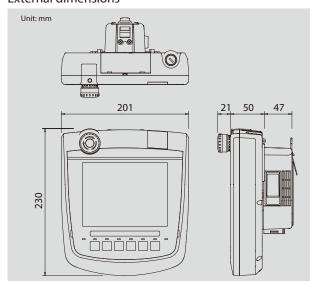
m			Specifications
splay area	Туре		TFT type color LCD (high-brightness wide viewing angle)
Resolution (dots) Display size (mm) Number of displayed characters Display colors		n (dots)	640 x 480
		ze (mm)	132.5 W x 99.4 H (6.5 inch)
		of displayed	16-dot font: 40 characters x 30 lines
		S	12-dot font: 53 characters x 40 lines
		olors	65,536 colors
	View angl	e (degrees)	80° leftward and rightward, 60° upward, and 80° downward
Intensity (cd/m2) Intensity adjustment		(cd/m2)	550
		adjustment	8 steps, adjustable
	Life expectancy		Approximately 41,000 hours
			(Ambient operating temperature: 25 °C)
ck light			LED (not replaceable)
			Back light OFF time and screen save time can be set.
uch panel	Туре		Analog resistive film type
	Key size (c	dots)	2 x 2 minimum (per key)
		ous pressing	Not prermitted
	(2 touch keys)		
	Life expectancy		1,000,000 times or more (operation force: 0.98 N or less)
zzer output			Single tone (adjustable between long, short, and none)
emory	C drive		Built-in flash memory for storing project data (15 MB) and OS
	Life expe	ctancy	100,000 times (number of writes to the memory)
ttery			Lithium battery GT15-BAT
	Backup ta	rget	Clock data, maintenance time notification data, system log data,
			and SRAM user area (500KB)
	Life expectancy		Replacement timing: Approximately 5 years
		1	(Ambient temperature: 25 °C)
ilt-in	RS-422	Туре	1 channel each (When using, select one of the channels.)
erface	/485, RS-232		Transmission speed: 115,200/57,600/38,400/19,200/9,600/4,800
	N3-232	Connector change	bps Square 42 pin type (male)
		Connector shape	Square, 42-pin type (male)
	Ethernet	Application	Communication with connected devices
	Einernet	Type	Data transmission system: 100BASE-TX,10BASE-T, 1 channel
		Connector shape	
		Application	Communication with connected devices, gateway function, connection to personal computer
			(project data upload/download, OS installation)
	USB	Туре	USB (full speed: 12 Mbps), host 1 channel
	host	Connector shape	
		Application	Data transfer and storage
	USB	Туре	USB (full speed: 12 Mbps), device 1 channel
	device	Connector shape	Mini-B (receptacle)
	acvice.	Application	Communication with personal computer (Screen data upload
		Application	and download, OS installation and FA transparent function)
	CF card	Туре	In conformance to PCMCIA, compact flash slot, 1 channel
	C. Cuid	Connector shape	Dedicated to Type I
		Application	Data transfer and data storage, GOT
plicable	Screen do	sign software	GT Works3 Version1.17T or later
ftware			OT WORKS VEISIOTTET TO TAKE
-li-	Simulation software		

General specifications

Item	Specifications
Ambient operating temp.	0 to 40 °C
Ambient storage temp.	-20 to +60 °C
Ambient operating/ storage humidity	10 to 90 %RH (non condensing)
Vibration resistance	In conformance to JIS B3502 and IEC 61131-2
Impact resistance	In conformance to JIS B3502 and IEC 61131-2
	(147 m/s², 3 times in each of the X, Y and Z directions)
Noise resistance	Noise voltage: 1000 Vp-p, noise width: 1 μs
	(Tested using a noise simulator whose noise frequency is 30 to 100 Hz)
Dielectric withstand voltage	500 VAC for 1 minute (between all power terminals and ground)
Insulation resistance	10 MΩ or more using 500 VDC megger
	(Between all power terminals and ground)
Working atmosphere	Not corrosive
Protection structure	Equivalent to IP65f (except when external connection cable
	is disconnected or when environmental protection cover is
	removed)
Weight	Approximately 1.2 kg (main unit)

Switch/indicator LED specifications				
Item		Specifications		
Operation switch		Connected with external connection cable.		
		6 switches (6 contacts/common) N/O contact, 10 mA /24 V DC		
	Life expectancy	1,000,000 times or more		
Grip switch		Connected with external connection cable.		
		3-position (OFF <-> ON <-> OFF) type enable switch (Deadman		
		switch) 2 N/O contacts,		
		Conforms with IEC60204-1:9.2.5.8		
Emergency stop switch		Connected with external connection cable. 3 N/C contacts,		
		Safety lock mechanism: IEC60947-5-5, 6.2		
		Direct opening action mechanism (IEC60947-5-5, 5.2,		
		IEC60947-5-1, Annex K)		
Selector switch with key		Connected with external connection cable. 2-position,		
		1 A / 24 V DC (resistive load), 0.3 A / 24 V DC (inductive load)		
LED	Power LED	1 LED (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.)		
	Operation switch	6 LEDs, green (operation controlled by the display area)		
	status indicator LED			
	Grip switch status	1 LED, green (operation controlled by the display area)		
	indicator LED			

External dimensions



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

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Changes for the Better





6.5-inch high-resolution Handy GOT GT1665HS-VTBD

65,536 vivid colors

TFT type LCD screen with a greater intensity and wider viewing angle

Ethernet interface standard







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The GT1665HS-VTBD Handy GOT incorporates various functions in a compact body with a 6.5-inch TFT type liquid crystal display that's easily held in one hand!
GT16 functions controllable at your fingertips!

VGA 640×480

65,536 colors

Analog type touch panel

RS-232•RS-422/485

and

comfortable-

Easily held

in one hand

The operation switch name sheet can be inserted above the

Ethernet

CF card, USB host, and USB device

For storage of large amounts of various types of data

CF card interface

In addition to the built-in memory (15 MB), the (optional) CF card inserted into this interface can a large amount of data such as documents, logging data, and backup restoration data.



For transferring data and setting up multiple units

USB interface (host)

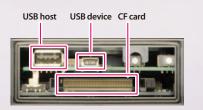
This interface can directly connect the (optional) USB memory to upgrade the OS, project data, etc. of the GT16 Handy GOT. The operator can transfer data collected in the GOT, analyze it in a personal computer, and then feed it back as recipes.



For connecting to equipment easier and faster

USB interface (device)

This interface supports the FA transparent function to connect a cable from a personal computer without opening the unit or panel. This interface can then connect the PC transparently to a Mitsubishi programmable controller, inverter, servo unit, or robot.



GT16H-CNB-42S

Connector conversion box

Handy GOT

GT1665HS-VTBD



The power switch disables the GOT's emergency stop switch so that the cable and GOT can be disconnected without tripping the emergency stop signal.

24 VDC power supply Terminal block for wiring emergency stop switch ID number setting RS-232 RS-422/485 Terminal block for wiring operation switches (Rear side)

An example of a system configuration with Ethernet connection

Connection cables between the GT16 Handy GOT and FA equipment

RS-232 (6m max.)

GT16H-C**□**-42P

□: 30(3m), 60(6m)

RS-422/485 (13.5m max.)

Ethernet (100m up to HUB)

There are several possible connection options available using different combinations of cable and connector conversion boxes.

Serial multi-drop connection with the GT01-RS4-M (500m max.)

GT16H-CNB-42S

Refer to the GOT1000 Series Comprehensive Catalog for connection cables.

Ethernet (RJ-45 modular jack)

The connector conversion box is essential if serial communication or Ethernet is to be used with the GT16 Handy GOT.



The maximum connection distance between the connector conversion box and the GOT is 10m.

 Four types of equipment can be connected at the maximum. OCPU EXAUETHERE

A direct connection is possible to FX, Q PLC etc. via RS-422/485 or RS-232 in parallel with Ethernet.

FA equipment

L,Q Series

FX30 Ethernet special function block



MITSUBISHI

When the emergency stop switch guard cover is attached.

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