

GT1150/1155

Graphic Operation Terminals

Control at Hand – Mobile visualisation solutions



Faster and more comfortable in all drawing, operation and communication functions



High contrast liquid crystal touch screen display



Easy maintenance and enhanced functionality



Globally flexible; convenient for users all over the world

Extending your control



The handy portable design of these GOTs means you can take the control panel to the application

The GT1150 and GT1155 handy Graphic Operation Terminals (GOTs) offer the same high level of quality and functionality as the traditional panels of the GOT1000 series but delivered in a "portable" package for increased flexibility on the shop floor.

Along with a clear display and rugged design, these handy terminals also support integrated safety features to protect against unauthorized operation through a variety of circumstances.

Flexibility – built in

The handy GOTs are equipped with a high level 64-bit RISC processor that supports many of the terminals leading features. For example, it allows the operation and processing speed to be increased manifold, providing quicker redrawing speeds, smoother operation and of course quicker response times.

Flexible memory

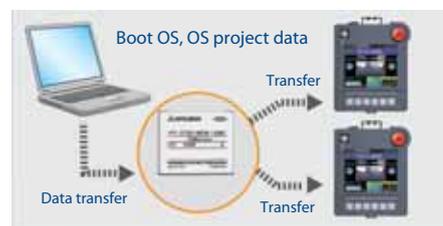
Each unit has 3 MB of user memory for the creation of multiple operation screens. This gives programmers greater flexibility to make clear concise screen designs using a wide variety of images and Truetype fonts.



Larger user memory gives users greater scope for using images and fonts

The innovative "GOT screen layering" function helps reducing the memory need for each screen layout but also provides a powerful yet easy method of creating complex displays.

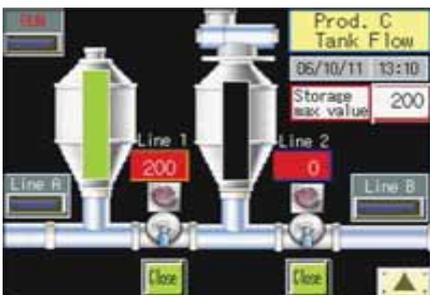
In addition, all handy GOTs have a Compact Flash (CF) card interface for data storage. It can also be used for fast setup of multiple handy GOTs without connecting to a PC each time.



Easy setup of multiple units

■ **Displays with intensity**

The GOTs 5.7" STN LCD screen offers a clear and bright display, up to 350 cd/m2 for 256 colour screens, bringing a new intensity to images and graphics. This is further enhanced by the wide angle viewing of the 320 x 240 dot resolution screen giving users an overall improvement in operability and readability.



Clear, readable displays reduce reading errors

■ **Scripts for reduced PLC loading**

The processing load applied to the connected PLC CPU or other automation equipment can be reduced when the GOT processes scripts. These scripts are unique to the GOT and are similar to the C programming language. They allow programmers to use their favorite commercial editors to move some of the processing activities from the PLC into the GOT.

Full strength communication

The GT1150 and GT1155 offer a wide range of communications support from different ports and connections to protocols and target devices.

■ **More connectable equipment**

Built in RS232 and RS422 interfaces enable the handy GOTs to connect to many device types.

■ **USB programming**

The integrated USB port allows these GOTs to be programmed and monitored 20 times faster than using traditional RS232.

Mitsubishi PLCs, inverters or servo amplifiers can be programmed and monitored with the USB Transparent mode.

■ **Extended protocol support**

The extended communication protocols enable the handy GOTs to be installed with various automation equipment for example:

- Mitsubishi PLCs, frequency inverters and servo systems
- Third party manufacturers like Siemens, Omron, Allen Bradley and others.
- Selected automation products from other manufacturers, e.g. temperature controllers and microcomputer's (the range is increasing all the time).

This enables you to build a common visualization strategy for your business.

■ **Multi-language with Unicode 2.1**

Using Unicode 2.1 enables the GOTs to display characters for languages from many countries of the world. This makes it easy for manufacturers to localize their machine control. In addition the GOTs can switch between comment sets each containing text in a different language allowing manufacturers to use one standard GOT setup in many countries.

■ **Customized start-up screens**

The initial startup screen can be customized by the user to reflect their company, warnings or safety notices bringing greater flexibility to their system design.

User friendly

■ **LED indication on buttons**

Six push buttons are provided on the front of the handy GOT. Each is fitted with a status LED ideal for applications such as the starting and stopping of a machine.



■ **Built in emergency stop**

This "normally closed" emergency stop (two contacts) immediately stops the unit in an emergency.

■ **Selector key-switch**

The operation mode can be selected by this key-switch allowing different operators access to different functions for example operation or setup.



Selector key-switch and grip switch for a safe operation

■ **Three position grip switch**

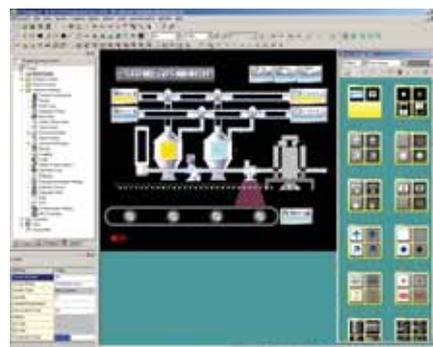
The three position (Off-On-Off) type deadman switch can be used to prevent accidental operational inputs or controlling/stopping machine operation.

■ **One touch connection**

The handy GOTs are easily connected and disconnected from the communication cable by a one-touch connector.

■ **Easy screen/display design**

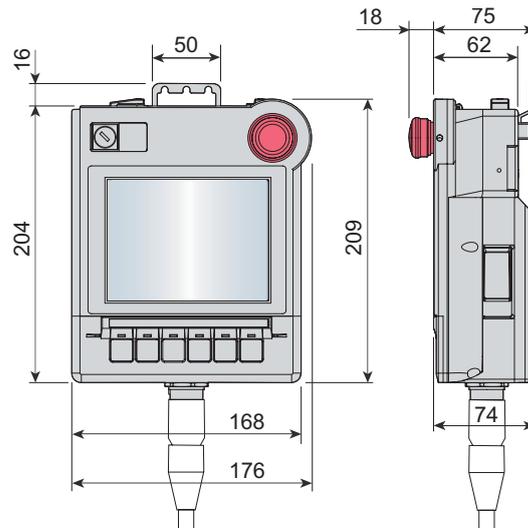
Screens can easily be created using the powerful software GT Designer2. This software package and its comprehensive library of graphical elements enable informative and graphically attractive screens to be built quickly and easily.



GT Designer2 has a comprehensive graphic library.

Specifications ///

Model	GT1155HS-QSBD	GT1150HS-QLBD
Display type	STN type color liquid crystal (with backlight)	STN type monochrome liquid crystal (with backlight)
Display size (mm)	115 (width) x 86 (height)	
Display diagonal	5.7"	
Resolution	320 x 240	
Colors	256 colors	Monochrome with 16 tones
View angle (degrees)	50° leftward and rightward, 50° upward and 60° downward	45° leftward and rightward, 20° upward and 40° downward
Brightness	280 – 350 cd/m; adjustable	160 – 220 cd/m; adjustable
Input type	Touch screen (analog)	
Number of touch points	300 per screen maximum (matrix configuration 20 x 15)	
User memory	Built-in Flash ROM (3 MB) and battery buffered SRAM (512 kB)	
Communication ports	1 x RS232, 1 x RS422 (round 32-pin type); for programming: 1 x serial RS232 (6-pin mini DIN), 1 x USB (12 Mbps)	
Card interface	CF card (compact flash slot)	
Buzzer	Buzzer sound issued when touch key is pressed (sound length adjustable)	
Battery	Built-in backup battery for clock data, alarm history and recipe data	
Power supply	24 V DC (+10 %, -15 %)	
Power consumption	9.84 W or less (410 mA/24 V DC)	9.36 W or less (390 mA/24 V DC)
Protection	IP65f	
Ambient temperature	0 to 40 °C	
Weight (kg)	1.0	



All dimensions in mm

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