

## Performance specifications

Item		Specification							
		GT1155-QTBD	GT1155-QSBD	GT1150-QLBD	GT1155-QTBDQ GT1155-QTBDA	GT1155-QSBDQ GT1155-QSBDA	GT1150-QLBDQ GT1150-QLBDA	GT1155HS-QSBD	GT1150HS-QLBD
Display *1	Type	TFT color LCD	STN color LCD	STN monochrome (black/white) LCD	TFT color LCD	STN color LCD	STN monochrome (black/white) LCD	STN color LCD	STN monochrome (black/white) LCD
	Screen size	5.7"							
	Resolution	QVGA: 320 × 240 [dots]							
	Display size	115(W) × 86(H) [mm] (in horizontal display mode)				115(W) × 86(H) [mm] (in horizontal display mode)		115(W) × 86(H) [mm]	
	No. of displayed characters	16-dot standard font: 20 chars. × 15 lines (2-byte) 12-dot standard font: 26 chars. × 20 lines (2-byte) (in horizontal display mode)							
	Display colors	256 colors		Monochrome (black/white) 16 gray scale	256 colors		Monochrome (black/white) 16 gray scale	256 colors	Monochrome (black/white) 16 gray scale
	View angle	Right/left: 70°, Up: 70°, Down: 50° (in horizontal display mode)	• Right/left: 50°, Up: 50°, Down: 60° (Hardware versions A and B) (In horizontal display mode) • Right/left: 55°, Up: 65°, Down: 70° (Hardware version C or later) (In horizontal display mode)	Right/left: 45°, Up: 20°, Down: 40° (in horizontal display mode)	Right/left: 70°, Up: 70°, Down: 50° (in horizontal display mode)	Right/left: 55°, Up: 65°, Down: 70° (in horizontal display mode)	Right/left: 45°, Up: 20°, Down: 40° (in horizontal display mode)	• Right/left: 50°, Up: 50°, Down: 60° (Hardware versions A and B) • Right/left: 55°, Up: 65°, Down: 70° (Hardware version C or later)	Right/left: 45°, Up: 20°, Down: 40°
	Contrast adjustment	-		16-step adjustment		-		16-step adjustment	
	Intensity	400 [cd/m <sup>2</sup> ]	• 350 [cd/m <sup>2</sup> ] (Hardware versions A and B) • 380 [cd/m <sup>2</sup> ] (Hardware version C or later)	220 [cd/m <sup>2</sup> ]	400 [cd/m <sup>2</sup> ]	380 [cd/m <sup>2</sup> ]	220 [cd/m <sup>2</sup> ]	• 350 [cd/m <sup>2</sup> ] (Hardware versions A and B) • 380 [cd/m <sup>2</sup> ] (Hardware version C or later)	220 [cd/m <sup>2</sup> ]
	Intensity adjustment	8-step adjustment							
Life	Approx. 50,000 hours (operating ambient temperature: 25°C)								
Backlight	Cold-cathode fluorescent tube (not replaceable), with backlight OFF detection function. Backlight off time and screen save time can be set.								
Life*2	Approx. 75,000 hours or more		Approx. 54,000 hours or more		Approx. 75,000 hours or more		Approx. 54,000 hours or more		
		(Time for display intensity reaches 50% at operating ambient temperature of 25°C)							
Touch panel	Type	Matrix resistive type							
	No. of touch keys	300 keys/screen (matrix consisting of 15 lines × 20 columns)							
	Key size	Min. 16 × 16 [dots] (per key)							
	No. of simultaneous touch points	Max. 2 points							
	Life	1,000,000 times or more (operating force 0.98N or less)							
Memory	C drive*3	3MB built-in flash memory (for saving project data and OS)							
	Life (No. of writings)	100,000 times							
	D drive	512KB built-in SRAM (battery backup)							
Battery	GT11-50BAT type lithium battery								
	Backed up data	Clock data, alarm history, recipe data, time action set values							
Life	Replacement guideline approx. 5 years (operating ambient temperature: 25°C)								
Built-in interface	Bus	-		1ch for QCPU (Q mode)/motion controller CPU (Q series) or 1ch for OnA/ACPU/motion controller CPU (A series) Application: For bus connection of PLC			-		
	RS-422/485	RS-422/485, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (female) Application: Communication with PLCs Terminal resistance*5: OPEN/110Ω/330Ω (switching by terminal resistance transfer switch)		-		-			
	RS-422/232	-		-			RS-422/232, 1ch (Select one when using.) Transmission speed: 115200/ 57600/38400/19200/9600/4800bps Connector shape: Round type, 32-pin (male) Application: Communication with connected devices		
	RS-232	RS-232, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (male) Application: Communication with connected devices, connection to personal computer (project data read/write, OS installation, FA transparent function, etc.)		RS-232, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (male) Application: Connection to barcode reader/personal computer (project data read/write, OS installation, FA transparent function, etc.)			RS-232, 1ch, Transmission speed: 115200/ 57600/38400/19200/9600/4800bps Connector shape: Mini-DIN 6-pin (female) Application: Connection to personal computer (project data read/write, OS installation, FA transparent function, etc.)		
	USB	USB (full-speed 12Mbps), device 1ch Connector shape: Mini-B Application: Connection to personal computer (project data read/write, OS installation, FA transparent function)							
	CF card	Compact flash slot, 1ch Connector shape: TYPE I		Application: Data transfer, data storage, GOT startup			FAT16 format: max. 2GB, FAT32 format: not usable		
	Optional function board	Embedded in main unit							
Buzzer output	Single tone (tone length adjustable)								
Protective construction*4	Front: IP67f In panel: IP2X			Front: IP67f In panel: IP2X			IP65f (when external connection cable is connected)		
External dimensions (without USB port cover)	164(W) × 135(H) × 56(D) [mm]			167(W) × 135(H) × 65(D) [mm]			176(W) × 220(H) × 93(D) [mm]		
Panel cut dimensions	153(W) × 121(H) [mm]			153(W) × 121(H) [mm]			-		
Weight	0.7 [kg] (excl. mounting brackets)			0.9 [kg] (excl. mounting brackets)			1.0 [kg] (main unit only)		
Applicable software package	GT Works3 Version 1.31H or later								