

Easy! Smooth!

GP3000H → GP4000H (by GP-Pro EX)

Replacement Guidebook



Introduction

Replacement / Model Code

Equipment in use		Recommended substitute model
<p>GP-3310HT *1 Model code: PFXGP3310HTAD**</p>	⇒	<p>GP-4311HT Model code: PFXGP4311HTAD***</p>
<p>GP-3300HS *1 Model code: PFXGP3300HSAD**</p>		
<p>GP-3300HL *1 Model code: PFXGP3300HLAD**</p>		

*1 Sales terminate as of March 2017

P F X G P 4 3 1 1 H T * * * *
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



Digit Position	Code	Detail
7	3	GP-4300 Series (5.7")
8..9	11	Resolution VGA
10	H	Handy
11	T	TFT color LCD
12	A	Analog touch panel
13	D	DC power supply
14..15	Non	without any Stop Switch and Key Switch
	ER	with Emergency Stop Switch (Red), without Key Switch
	ERK	with Emergency Stop Switch (Red) and Key Switch
	EYK	with Stop Switch (Yellow) and Key Switch
	EGK	with Stop Switch (Gray) and Key Switch

Safety Information

HAZARD OF OPERATOR INJURY, OR UNINTENDED EQUIPMENT DAMAGE
 Before operating any of these products, be sure to read all related manuals thoroughly.
 Failure to follow these instructions can result in death, serious injury or unintended equipment damage.



Chapter 1. Specification Comparison

1.1. Specifications of GP-3310HT and GP-4311HT

		GP-3310HT	GP-4311HT
			
Display Type		TFT color LCD	
Display Colors		65,536 colors (No blink) / 16,384 colors (Blink)	
Display Resolution		VGA (640×480 pixels)	
External Dimensions (Unit: mm [in.])		W224[8.82]×H174[6.85]×D87.1[3.43] (When including the Emergency Switch: D107[4.21])	
Touch Panel Type		Resistive Film (Analog)	
Memory	Application	8 MB	UP! 32 MB
	SRAM	320 KB	
Rated Input Voltage		24Vdc	
Serial Interface		RS-232C/422/485	
Ethernet Interface		10BASE-T/100BASE-TX	
Vibration		No	
Function Switch		11 switches	
3-Position Enable Switch Output Interface		Rear panel switch 3-position output	
Emergency Switch Output Interface		Push-lock switch	
Key Switch Output Interface		Yes	
External Output Interface		Yes	
CF Card Interface		Yes	No
SD Card Interface		No	NEW! Yes
USB Host Interface	Type A	Yes(USB1.1)	Yes(USB2.0)
	Type mini B	No	Yes(USB2.0)
Printer Interface		USB	

Chapter 1. Specification Comparison

1.2. Specifications of GP-3300HS/GP-3300HL and GP-4311HT

		GP-3300HS/GP-3300HL		GP-4311HT
				
Display Type		STN color LCD	Monochrome LCD	TFT color LCD
Display Colors		4,096 colors (Blink)	16 levels	UP! 65,536 colors (No blink) / 16,384 colors (Blink)
Display Resolution		QVGA (320×240pixels)		UP! VGA (640×480 pixels)
External Dimensions (Unit: mm [in.])		W224[8.82]×H174[6.85]×D87.1[3.43] (When including the Emergency Switch: D107[4.21])		
Touch Panel Type		Resistive Film (Analog)		
Memory	Application	6 MB		UP! 32 MB
	SRAM	320 KB		
Rated Input Voltage		24Vdc		
Serial Interface		RS-232C/422/485		
Ethernet Interface		10BASE-T/100BASE-TX		
Vibration		No		
Function Switch		11 switches		
3-Position Enable Switch Output Interface		Rear panel switch 3-position output		
Emergency Switch Output Interface		Push-lock switch		
Key Switch Output Interface		Yes		
External Output Interface		Yes		
CF Card Interface		Yes		No
SD Card Interface		No		NEW! Yes
USB Host Interface	Type A	Yes(USB1.1)		Yes(USB2.0)
	Type mini B	No		Yes(USB2.0)
Printer Interface		USB		

Chapter 2. Compatibility

2.1. Appearance

The body and size are the same as those of GP3000H.



Note

The Emergency stop SW is the same as that of GP3000H.

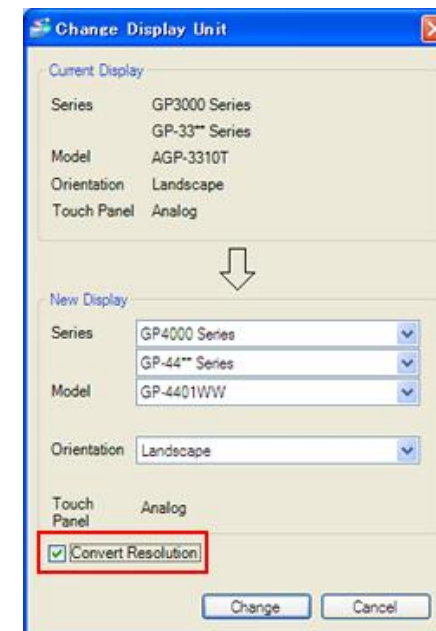
Chapter 2. Compatibility

2.2. Display Resolution

The display resolution of GP-3300HS/HL is different from that of GP-4311HT.

GP-3300HS/GP3300HL => GP-4311HT
QVGA(320 x 240) VGA(640 x 480)

If you draw on a full screen, please edit it with GP-Pro EX.
If you check on [Convert Resolution] when changing the Display Unit type , you can adjust both size and location of the part and the text relative to the display resolution automatically.
In this case, check their size and location, and adjust them if necessary.



Important notes for "Convert Resolution"

- The size of some parts cannot be automatically adjusted on a screen.
For example: Movie Player and Image Unit Window, Keypad Registration ,
and Functions displayed in a special window
- It is necessary to check a display image and a display position with the automatic adjustment of the character size.
For example: Switch/Lamp - Label ,Message Display - Label , Picture - Package

Chapter 2. Compatibility

2.3. Display Colors

The display resolution of GP-3300HS/HL is different from that of GP-4311HT.

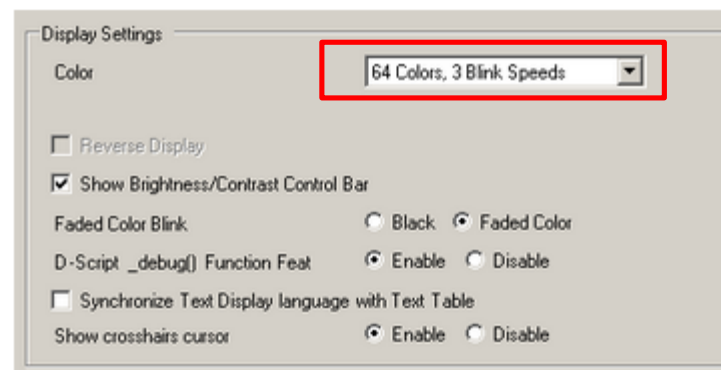
GP-3300HS/GP3300HL	=>	GP-4311HT
4,096 colors 3-Speed Blink /		65,536 colors No Blink /
Monochrome 16 levels 3-Speed Blink		16,384 colors 3-Speed Blink

Please, adjust a screen if necessary, confirming it in GP-Pro EX.

Then, after replacing GP3300HL with GP4000H, when using " GP4000 H" by the monochrome display, do the following setting.

After having changed a model of GP4000H, please set "[System setting]-[Display Unit]-[Display]- [Display setting]-Color" in " Monochrome 16 Levels, 3-Speed Blink ".

set color setting by "Display Unit [Display] setting"



Chapter 3. Compatibility with Accessories

3.1. Accessories

Usable GP3000H existing options (Cables, Adapter...)

* When you are using the GP2000H adapter and the Connection cable for GP2000H adapter, please just use them.

Product Name	Model Number/ Global Code	SAP Code	Description
USB Transfer Cable (2 m)	CA3-USBCB-01	PFX069774E	Downloads project data created with the screen editing software via the display unit's USB I/F.
USB Cable (5 m)*1	FP-US00	PFX055008F	Connects a USB printer. (TYPE-B)
USB Transfer Cable (USB Type A/mini-B) (1.8 m)	ZC9USCBMB1	PFX105159H	Cable for transferring screen data from a PC (USB Type A) to this product (USB mini-B).
GP3000H Hard-type 10m Direct-connect Cable	GP3000H-CBLH-10M	PFX101641E	Heavy-duty type interface cable for communication between this product and external equipment (e.g. host controller), equipped with common mode filter.
GP3000H Soft-type 3/5/10 m Direct-connect Cable	GP3000H-CBLS-3M GP3000H-CBLS-5M GP3000H-CBLS-10M	PFX101637G PFX101639C PFX101643A	Standard type interface cable for communication between this product and external equipment (e.g. host controller), equipped with common mode filter.
GP3000H Hard-type 10m Direct-connect Cable (with connector)	GP3000H-CBLHD-10M	PFX101642C	Heavy-duty type cable between the GP3000H Conversion Adapter and this product.
GP3000H Soft-type 3/5/10 m Direct-connect Cable (with connector)	GP3000H-CBLSD-3M GP3000H-CBLSD-5M GP3000H-CBLSD-10M	PFX101638E PFX101640G PFX101644K	Standard type cable between the GP3000H Conversion Adapter and this product.
GP3000H Conversion Adapter	AGP3000H-ADPCOM-01	PFX101700D	Conversion Adapter for interfacing with a Cable Connector and External Output I/F output the following connectors Serial: D-Sub 9 pin (plug), Ethernet: modular jack (RJ-45), Others: terminal block.

Product Name	Model Number/ Global Code	SAP Code	Description
SD Memory Card	PFXZCBSD4GC41	PFX124916J	SD Memory Card (4 GB, CLASS4)
Screen Protection Sheet	PFXZCBDS61	PFX124920G	Disposable, dirt-resistant sheet for the display (5 sheets/set)
UV Protection Sheet	PFXZCFUV61	PFX138592E	Sheet to protect the display from dirt and ultraviolet light.
Neck Strap	GP2000H-STRAP11	PFX056780J	Strap for wearing over the neck.
Wall Hanging Adapter	GP3000H-WMA-01	PFX101646F	Bracket for mounting this product to a commercially available arm or panel.
Touch Pen	CA7-TPPEN/ALL-01	PFX101647D	Touch pens for screen operation (5 peace).
Hand Strap	GP3000H-HS-01	PFX101657A	Strap for hand-held operation.
Stop Switch Guard	GP3000H-EMGD-01	PFX103796K	For preventing accidental operation.
Function Switch Sheet	GP3000H-DUPS-01	PFX101706C	For changing image of the function switches. 5 sheets/set (x 5)
RS-232C Isolation Unit	CA3-ISO232-01	PFX069391K	Connects a host controller to this adapter with provides isolation. (RS-232C and RS-422 are switchable.)
Installation Gasket	GP3000H-WPGADP-01	PFX103743J	Provides dust and moisture resistance when GP3000H Conversion Adapter is installed into a solid panel.

Product Name	Model Number/ Global Code	SAP Code	Description
GP2000H Series RS-232C/RS-422 Conversion Adapter	GP2000H-AP232 GP2000H-AP422	PFXZGPADR22H PFXZGPADR42H	Conversion adapter to connect GP operation data to RS-232C/422 D-Sub and power/DIO terminals.
GP3000H Soft-type Cable for GP2000H Conversion Adapter (with connector)	GP3000H-CBLSD232-3M GP3000H-CBLSD232-10M GP3000H-CBLSD422-3M GP3000H-CBLSD422-10M	PFXZGPCBSDR2311 PFXZGPCBSDR2101 PFXZGPCBSDR431 PFXZGPCBSDR4101	The cable between the GP2000H Series Conversion Adapter and the GP3000H, equipped with D-Sub connector.

* Be sure to read the restrictions of GP3000H to use the accessories.



Pro-face

by **Schneider** Electric