Pro-face
for the best interface

Touch Operator Interface

GP4000SERIES

visibility

Enhanced Visibility

All models employ 65,535-color TFT LCDs
with enhanced backlight brightness control.
Crisp screens improve monitoring quality
and safer operation.

Mobile Remote Monitoring

Remotely monitor large-sized or long-distance
applications, large process systems,
or multiple machines on a manufacturing site
on an easy-to carry iPhone, iPad, iPod touch,
Android smartphone or Android tablet.

Multiple Standards support a variety of Applications
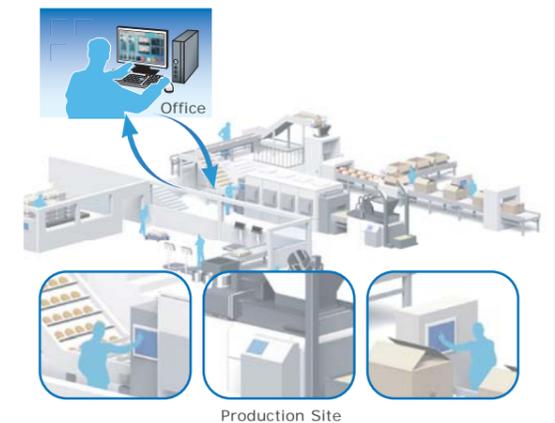
Coated components and compliance with
a variety of international standards enable use
in a diverse range of environments.

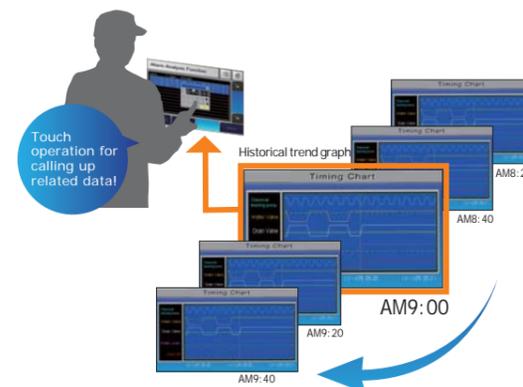

CCS Ship Classification is also supported.

Remote Data Collection and Management

A data management system, built with
Pro-Server EX software for production quality and
efficiency through HMI units installed on
production machines can be simply and
cost-efficiently built with standard PC software,
such as Microsoft Office and SQL.
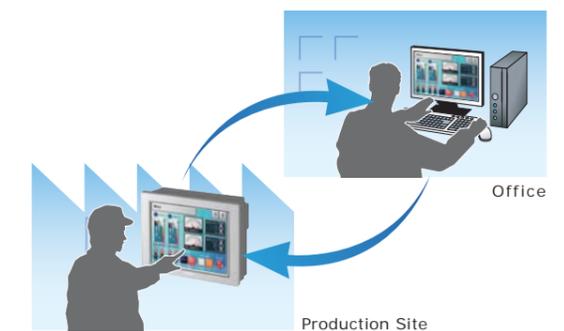

Office

Production Site

Easy Troubleshooting

Alarm Analysis Function gives you timely
understanding of error causes on site.
With only a few clicks for configuration,
you can set alarm analysis screens with
logged status data of the alarm-related device.
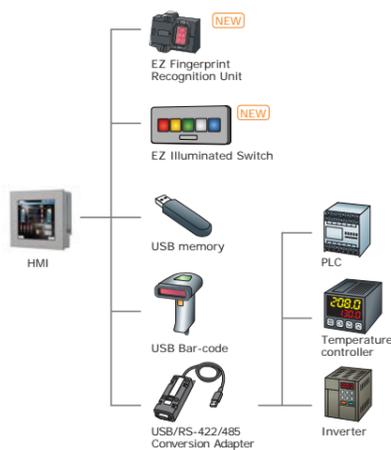

Remote Monitoring

The Remote Monitoring software, GP-Viewer EX,
allows you to monitor HMI screens installed
on the production site from a Windows PC
in a remote location.

Office

Production Site

For further information, visit our website.
http://www.pro-face.com/product/hmi/gp4000.html

Standard Model

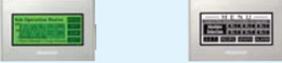|	12.1" AC 100-240V DC 24V	10.4" AC 100-240V DC 24V	7.5" DC 24V	5.7" DC 24V	3.5" DC 24V
	GP-4601T / GP-4603T (Isolated SIO model)	GP-4501T / GP-4503T (Isolated SIO model)	GP-4401T	GP-4301T / GP-4303T (Isolated SIO model)	GP-4201T / GP-4203T (Isolated COM SIO model)
	Color variation	Color variation	Color variation	Color variation	Color variation
Display (Resolution)	65,536-color TFT (SVGA 800 x 600 pixels)	65,536-color TFT (VGA 640 x 480 pixels)	65,536-color TFT (VGA 640 x 480 pixels)	65,536-color TFT (QVGA 320 x 240 pixels)	
Touch Panel Type	Analog or Matrix (Support Two-Point Touch)			Analog	
Memory	32MB (Application), SRAM320KB (Backup for HMI), SRAM64KB (Backup for Control)			16MB (Application), SRAM320KB (Backup for HMI), SRAM64KB (Backup for Control)	
Ethernet	x1 (IEEE802.3i / IEEE802.3u, 10BASE-T/100BASE-TX)			x1 (IEEE802.3i / IEEE802.3u, 10BASE-T/100BASE-TX)	
SIO	RS-232C×1, RS-422/485×1			RS-232C×1, RS-422/485×1	RS-232C/422/485×1
SD Card Slot (Max. 32GB)	x 1			x 1	No
USB	USB Type-A (2.0) x 1, USB mini-B (2.0) x 1			USB Type-A (2.0) x 1, USB mini-B (2.0) x 1	
Replaceable Battery	Yes			Yes	No (Rechargeable battery)
Alarm Analysis DB Function	Yes			Yes	
Other models	Coated model: Yes / Color variation: Yes / Rear-mount model: Yes (Except GP-4603T, GP-4503T)			Coated model: Yes / Color variation: Yes / Rear-mount model: Yes (Except GP-4303T, GP-4201T and GP-4203T)	

Easily connect multiple USB devices

A controller with serial interface, EZ Series accessory unit, bar code reader, and USB flash drive can be easily connected to the HMI unit. *

EZ Fingerprint Recognition Unit [NEW]

EZ Illuminated Switch [NEW]

HMI

USB memory

USB Bar-code

USB/RS-422/485 Conversion Adapter

PLC

Temperature controller

Inverter

* EZ Fingerprint Recognition Unit also requires power supply cable.
* Multiple devices of the same model cannot be connected.

W Model

	10.4" DC 24V	7.0" wide DC 24V	5.7" DC 24V	3.5" DC 24V
	GP-4501TW	GP-4401WW	GP-4301TW	GP-4201TW
	Color variation	Color variation	Color variation	Color variation
Display (Resolution)	65,536-color TFT (VGA 640 x 480 pixels)	65,536-color TFT (WVGA 800 x 480 pixels)	65,536-color TFT (QVGA 320 x 240 pixels)	
Touch Panel Type	Analog		Analog	
Memory	16MB (Application), SRAM128KB (Backup for HMI)	16MB (Application), SRAM128KB (Backup for HMI)	8MB (Application), SRAM128KB (Backup for HMI)	
Ethernet	x1 (IEEE802.3i / IEEE802.3u, 10BASE-T/100BASE-TX)	x1 (IEEE802.3i / IEEE802.3u, 10BASE-T/100BASE-TX)		No
SIO	RS-232C×1, RS-422/485×1		RS-232C×1, RS-422/485×1	
SD Card Slot (Max. 32GB)	x 1	×1	No	
USB	USB Type-A (2.0) x 1, USB mini-B (2.0) x 1		USB Type-A (2.0) x 1, USB mini-B (2.0) x 1	
Replaceable Battery	Yes	Yes	No (Rechargeable battery)	
Alarm Analysis DB Function	No		No	
Other models	Coated model: Yes / Color variation: Yes		Coated model: Yes / Color variation: Yes	

Lineup

	5.7" DC 24V	3.5" DC 24V	3.4" DC 24V
Modular Type Compact Type	**GP-4301TM** Modular Type	**GP-4201TM** Modular Type	**GP-4100** Compact Type
	Color variation	Color variation	Color variation
Display (Resolution)	65,536-color TFT (QVGA 320 x 240 pixels)		Monochrome LCD (200 × 80 pixels)
Touch Panel Type	Analog		
Memory	8MB(Application),nvSRAM128KB (Non-volatile,No Battery Needed)		2.2MB(Application),EPROM128KB*1 (Backup for HMI)
Ethernet	×1 (IEEE802.3i / IEEE802.3u, 10BASE-T/100BASE-TX)		×1 (IEEE802.3u, 10BASE-T/100BASE-TX) *2
SIO	RS-232C/422/485×1		RS-232C/422/485×1 *3
SD Card Slot	No		
USB	USB Type-A (2.0) ×1, USB mini-B (2.0) ×1		
Replaceable Battery	No		
Alarm Analysis DB Function	No		
Other models	No		

*1: For supported features, please refer to GP-Pro EX Reference Manual. *2: GP-4104 only *3: Excluding GP-4104

Modular Type HMI with Easy Installation
GP4000M Series

A separate installation cable is under development.

Compact HMI with Full-graphic Display
GP4100 Series

77.5mm [3.05in.]

116.5mm [4.59in.]

The Perfect Visualization Solution for every need.

Rear-mounting HMI, Integrates into Machine Design
GP4000 Series Rear-mount Model

Size	12.1"	10.4"	7.5"	5.7"

GP4000 Series Rear-mount Models are DC power and analog touch panel models only.

Corrosion-resistant Board Coating for Environmental Requirement

All GP4000 Series products are available in coated models. (Except GP4100 Series and GP4000M Series)

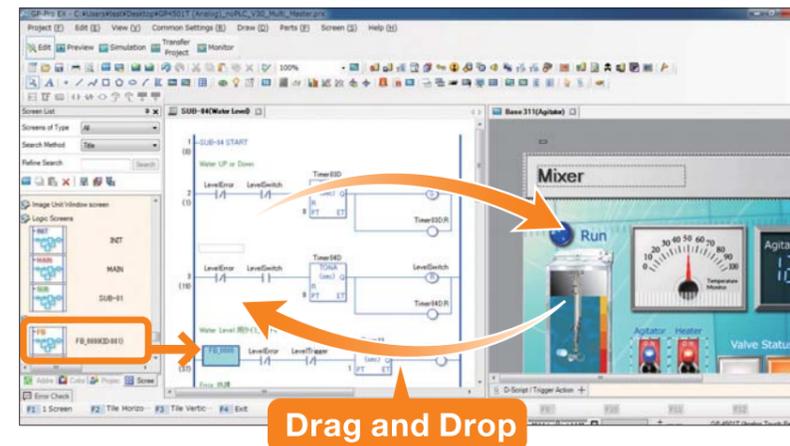### Compatibility with Equipment Design or Customer Corporate Brand
GP4000 Series Color Variation

Silver PANTONE 8401C	Off-white PANTONE Cool Gray 1C	Beige PANTONE 7535C	Black PANTONE 432C

Efficient Program Development with Direct Link between HMI and Control

Easy sharing of symbolized device data between HMI screen and control programs using drag and drop operation provides you with intuitive operation throughout the successful completion of a project.

Function Block control programming also eases your control system design with frequently used and specially defined control functions.

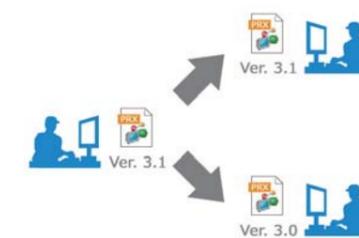**Drag and Drop**

GP-Pro EX Ver. 3.1 New Features

Quickly understand detailed differences between similar project files

Project Comparison Tool allows easy yet detailed comparison of two screen-project files for updating and modifying customer applications. Differences for each part attribute, alarm message, or setup item are displayed.

Screen B1		A	B
Parts 1	Address	X0001	X0002
	Shape	Circle	Square
	Action	Momentary	Alternate
	Label	Run	Run

Multi-version File Format Support for Screen Project Files

Screen project files edited in version 3.1 of GP-Pro EX can also be saved in version 3.0 format to facilitate screen data handling among personnel with different responsibilities such as testing engineers, factory installation technicians, and maintenance engineers.

Ver. 3.1

Ver. 3.1

Ver. 3.0

More New Features

- Change password during on-line operation
- Extended text search and replacement
- Range Setting on Word Switch
- Selectable SRAM Back-up Data Modes for Screen Data Transfer

For detailed specifications, visit our website.
http://www.pro-face.com/product/hmi/gp4000/spec.html

For further information, visit our website.
http://www.pro-face.com/product/soft/gpproex.html

Pro-face

for the best interface

We are always striving to bring you the high quality interface designed
to provide a cohesive, evolving connection between customers and high
quality products, service and support from around the world.

All eyes on the customer make us "the best interface"

intimacy
Connect intimately
with our customers
and stakeholders

interaction
Enhance customer
experience through
positive interaction

innovation
Provide benefits to
our customers
through innovation

⚠ WARNING

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 instruction can result in death or serious injury, unintended equipment damage.

- For printing purposes, the colors in this catalog may differ from those of the actual unit.
- Actual user screens may differ from the screens shown here.
- Electric equipment should be installed, operated, serviced, and maintained only by qualified personnel.

- All product names used in this catalog are the registered trademarks or trademarks of their respective companies.
- All information contained in this catalog is subject to change without notice. No responsibility is assumed by Digital for any consequences arising out of the use of this material.

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