GP-4301TM (Model No.: PFXGM4301TAD)

Functional Specification		
Display Type		TFT Color LCD
Display Size		5.7"
Resolution		320 x 240 pixels (QVGA)
Effective Display Area		W115.2 x H86.4 mm (W4.53 x H3.40 in.)
Display Colors		65,536 colors
Backlight		White LED (When replacement is required,contact your local GP distributor)
Brightness Control		16 Levels (Adjusted with the touch panel or the software)
Backlight Service Life		50,000 hrs. or more (continuous operation at 25°C (77°F) before backlight brightness decreases to 50%)
Language Fonts		Japanese: 6,962 (JIS Standards 1 & 2) (including 607 non-kanji characters), ANK: 158 (Korean, Traditional Chinese and Simplified Chinese fonts are downloadable.
Character Sizes		Standard font: 8 x 8, 8 x 16, 16 x 16 and 32 x 32 pixel fonts, Stroke font: 6 to 127 pixel fonts, Image font: 8 to 72 pixel fonts
Font Sizes *1		Standard font: Width can be expanded up to 8 times. Height can be expanded up to 8 times.
Text	8 x 8 dots	40 characters x 30 rows
	8 x 16 dots	40 character x 15 rows
	16 x 16 dots	20 character x 15 rows
	32 x 32 dots	10 character x 7 rows
Application Memory *2		FLASH EPROM 8 MB
Font Area		FLASH EPROM 8 MB (Replaceable Lithium battery for backup memory)
Data Backup *3		128KB
Clock Accuracy *4		Uses the clock of an external device
Touch Panel Type		Resistive Film (analog)
Touch Panel Service Life		1,000,000 times or more
Interface	Serial (COM1)	Asynchronous Transmission: RS-232C/422/485, Data Length: 7 or 8 bit, Stop Bit: 1 or 2 bit, Parity: none, Odd or Even, Data Transmission Speed: 2,400 to 115,200bps, 187,500 bps, Connector: D-Sub9 (plug)
	Ethernet (LAN)	IEEE802.3i/ IEEE802.3u, 10BASE-T/100BASE-TX, Connector: Modular jack (RJ-45) x 1
	USB (Type-A)	USB2.0, Connector : Type A x 1, Power Supply Voltage : DC5V±5%、Maximum Transmission Distance : 3m (9.84 ft.) or less
	USB (Type mini-B)	USB2.0, Connector : mini-B x 1, Maximum Transmission Distance : 5m (16.40 ft.) or less

*1: Other font sizes can be set up with the Editor software.
*2: Capacity available for user application. The capacity depends on how many fonts you load from Editor software.
*3: Application memory can provide 128KB for Data Backup. For further information, please refer to the GP-Pro EX reference manual.
*4: Set up the "Clock Updates" feature with the Editor software.
　　Please refer to the GP-Pro EX reference manual "Common" - "Clock Update Settings" for details.

General Specification

International Safety Standards	(UL LISTED 508, UL LISTED 508 ANSI/ISA 12.12.01, CE, C-tick, KC, PCT, DNV marks)
Rated Input Voltage	DC24V
Input Voltage Limits	DC20.4 to 28.8V
Allowable Voltage Drop	7ms or less
In-Rush Current	30A or less
Voltage Endurance	1,000 Vac 20 mA for 1 min (between charging and FG terminals)
Insulation Resistance	500 Vdc, 10 MΩ or more (between charging and FG terminals)
Surrounding Air Temperature	0 to 50 °C (32 to 122 °F)
Storage Temperature	-20 to 60 °C (-4 to 140 °F)
Ambient Humidity	85% RH (Wet bulb temperature: 39 °C (102.2 °F) or less - no condensation.)
Storage Humidity	
Dust	0.1 mg/m^3 (10^{-7} oz/ft^3) or less (non-conductive levels)
Pollution Degree	For use in Pollution Degree 2 environment
Atmosphere	Free of corrosive gases
Air Pressure (altitude range)	800 to 1,114 hPa (2,000 m (6,561 ft) or lower)
Vibration Resistance	IEC/EN61131-2 compliant, 5 to 9 Hz Single amplitude 3.5 mm [0.14 in.]
Noise Immunity	Noise voltage: 1,000Vp-p , Pulse width: 1μs, Rising time: 1ns
Electrostatic Discharge Immunity	6kV direct contact, 8kV air contact
Grounding	Functional grounding: Grounding resistance of 100Ω, 2mm² (AWG 14) or thicker wire, or your country's applicable standard.
Structure	NEMA#250 TYPE 4X (indoor, installed in an enclosure), Display module: IP 65f (IEC60529), Rear module: IP 20 (IEC 60529)
Cooling Method	Natural air circulation
Weight Approx.	0.62 kg (1.36 lb.) or less (main unit only)

Pro-face's GP4000M Series website **http://www.pro-face.com/product/hmi/gp4000m.html**