

GP-4303T (Model No.: PFXGP4303TAD)

Display Type	
Resolution 320 x 240 pixels (QVGA) Effective Display Area W115.2 x H86.4 mm [W4.54 x H3.40 in.] Display Colors 65,536 Colors (No blink)/16,384 Colors (Blink) Backlight White LED (User nonreplaceable parts. When replacement is required, or your local 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 back brightness decreases to 50%) Japanese: 6,962 (JIS Standards 1 & 2) (including 607 non-kanji character 158 (Korean fonts, Simplified Chinese and Traditional Chinese fonts downloadable.) Character Sizes Standard font: 8 x 8, 8 x 16, 16 x 16 and 32 x 32 pixel fonts, Stroke font: 6 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.	
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115.2 kbps, 187.5 kbps (MPI) Connector: D-Sub9 (socket)	•
Interface Ethernet (LAN) IEEE802.3i/IEEE802.3u, 10BASE-T/100BASE-TX Connector: Modular ja 45) x 1	k (RJ-
USB (Type-A) Conforms to USB2.0 (TYPE-A) x 1, Power Supply Voltage: DC 5 V ±5 %, Current: 500 mA or less, Communication Distance: 5 m or less	Output
USB (Type mini-B) Conforms to USB2.0 (mini-B) x 1 Communication Distance: 5 m or le	SS
SD Card Slot x 1	

^{*1:} Other font sizes can be set up with the Editor software.

^{*2:} Up to 60,000 steps can be converted in software. However, this reduces application memory capacity (for screen data) by 1 MB

^{*3:} Depending on the operating temperature and age of unit, the clock can deviate from -380 to +90 sec/month.

For systems where this level of deviation is a problem, the user should monitor and make adjustments when required.



General Specification	
International Safety Standards	Ro UL CE CE AMAS
Rated Input Voltage	DC 24 V
Input Voltage Limits	DC 19.2 to 28.8 V
Allowable Voltage Drop	5 ms or less
Power Consumption	10.5 W or less
In-Rush Current	30 A or less
Voltage Endurance	AC 1,000 V, 20 mA for 1 min (between charging and FG terminals)
Insulation Resistance	DC 500 V, 10 M Ω or more (between charging and FG terminals)
Surrounding Air Temperature	0 to 55 °C [32 to 131 °F]
Storage Temperature	-20 to 60 °C [-4 to 140 °F]
Ambient Humidity	10 to 90 % RH (Wet bulb temperature: 39 °C [102.2 °F] or less - no condensation
Storage Humidity	
Dust	0.1 mg/m³ (10-7 oz/ft³) 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 above sea level or less)
Vibration Resistance	IEC/EN61131-2 compliant, 5 to 9 Hz Single amplitude 3.5 mm [0.14 in.], 9 to 150 Hz Fixed acceleration: 9.8 m/s², X, Y, Z directions for 10 cycles (approx. 100 min)
Concussion Resistance	IEC/EN61131-2 compliant 147 m/s², X, Y, Z directions for 3 times
Noise Immunity	Noise Voltage: 1,000 Vp-p, Pulse Duration: 1 μs, Rise Time: 1 ns (via noise simulator)
Electrostatic Discharge Immunity	Contact Discharge Method: 6 kV (IEC/EN61000-4-2 Level 3)
Grounding	Functional grounding: Grounding resistance of 100Ω, 2mm² (AWG 14) or thicker wire, or your country's applicable standard. (Same for FG and SG terminals)
Structure *1	Equivalent to IP65f NEMA #250 TYPE 4X/13 (on the front panel when properly installed in an enclosure)
Cooling Method	Natural air circulation
Weight Approx.	0.8 kg [1.8 lb] or less (display unit only)
External Dimensions	W169.5 x H137 x D59.5 mm [W6.67 x H5.39 x D2.34 in.]
Panel Cut Dimensions *2	W156 x H123.5 mm [W6.14 x H4.86 in.], Panel thickness area: 1.6 to 5 mm [0.06 to 0.2 in.]

^{*1:} The front face of the GP unit, installed in a solid panel, has been tested using conditions equivalent to the standards shown in the specification. Even though the GP unit's level of resistance is equivalent to these standards, oils that should have no effect on the GP can possibly harm the unit. This can occur in areas where either vaporized oils are present, or where low viscosity cutting oils are allowed to adhere to the unit for long periods of time. If the GP's front face protection sheet becomes peeled off, these conditions can lead to the ingress of oil into the GP and separate protection measures are suggested. Also, if non-approved oils are present, it may cause deformation or corrosion of the front panel's plastic cover. Therefore, prior to installing the GP unit, be sure to confirm the type of conditions that will be present in the GP's operating environment. If the installation gasket is used for a long period of time, or if the unit and its gasket are removed from the panel, the original level of the protection cannot be guaranteed. To maintain the original protection level, be sure to replace the installation gasket regularly.

Pro-face's GP4000 Series website http://www.pro-face.com/product/hmi/gp4000.html

^{*2:} Regarding dimensional tolerance, everything +1/-0 mm [+0.04/-0 in.] and R in angle are below R3 [R0.12 in.].