



TFT
256
MONO
8



GP-3200T/A

| | | | |
|-----------|------------------|--------------------|----------|
| SIO1ch | Ethernet | Communication Unit | VM/DVI |
| USB(Host) | CF Card | AUX Sound out | Video in |
| Sound in | DIO(Sink/Source) | FLEX NETWORK | CANopen |

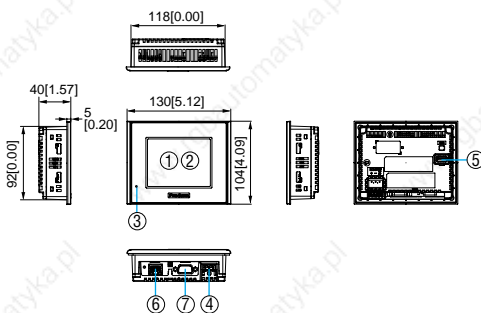
Model:
 [DC] AGP3200-T1-D24
 [DC] AGP3200-A1-D24

| FUNCTIONAL SPECIFICATION | | GP-3200T | GP-3200A |
|--------------------------|-----------------|--|---|
| Display Type | | TFT Color LCD | Monochrome Amber/Red LCD |
| Color Shade level | | 256 Colors (no blink) / 64 Colors (Enables blink feature) *1 | Black and White (8 Shades) |
| Backlight | | White LED (When replacement is required, contact your local GP distributor) | Amber/Red LED (When replacement is required, contact your local GP distributor) |
| Display Resolution | | 320 x 240 pixels (QVGA) | |
| Effective Display Area | | 78.8mm[3.10in.] x 59.6mm[2.35in.] | |
| Brightness Control | | 16 levels of adjustment available via touch panel | |
| Contrast Adjustment | | — | 8 levels of adjustment available via touch panel |
| Language Fonts | | Japanese: 6962 (JIS Standards 1&2)(including 607 non-kANJI characters), ANK: 158 (Korean fonts, Simplified and traditional Chinese fonts are downloadable.) | |
| Text Composition | Character Sizes | Standard font: 8 x 8, 8 x 16, 16 x 16 and 32 x 32 dot fonts, Stroke font: 6 to 127 dot fonts | |
| | Font Sizes | Standard font: Width can be expanded up to 8 times. Height can be expanded up to 8 times *2 | |
| Text | 8 x 8 dots | 40 Char. x 30 rows | |
| | 8 x 16 dots | 40 Char. x 15 rows | |
| | 16 x 16 dots | 20 Char. x 15 rows | |
| | 32 x 32 dots | 10 Char. x 7 rows | |
| Memory | Application | 6MB FLASH EPROM *3 | |
| | Data Backup | 320KB SRAM *4 | |
| Touch Panel | Type | Resistive Film (analog) | |
| | Resolution | 1024 x 1024 | |
| Control Memory | Variable Area | 64 KB SRAM (uses lithium battery) *4 | |
| | Program Area | —*5 | |
| Interface | Number of Step | — | |
| | Serial (COM1) | Asynchronous Transmission: RS-232C/422/485 *6 Data Length: 7/8 bits, Stop Bit: 1/2 bits, Parity: none, Odd or Even, Data transmission speed: 2400bps to 115.2kbps 187.5kbps(MPI) *7, Connector: D-Sub 9pin plug | |
| | Ethernet | IEEE802.3u, 10BASE-T/100BASE-TX, modular jack connector (RJ-45) | |
| | USB | USB1.1 (USB TYPE-A conn.) x 1 | |

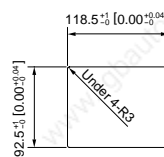
| GENERAL SPECIFICATION | DC |
|--|--|
| International Safety Standards | UL, CE, FCC, RoHS |
| Ship Standard Acquisition | — |
| Conforming Standards | UL508, UL1604, CSA-C22.2 No.14-M95, CSA-C22.2 No.213-M1987, EN55011 Class A, EN61000-6-2 |
| Input Voltage | DC24V |
| Rated Frequency | — |
| Rated Voltage | DC19.2V to DC28.8V |
| Allowable Voltage | 2ms or less |
| Power Consumption | 13W or less |
| Voltage Endurance | AC1000V 20mA for 1 minute (between charging and FG terminals) |
| Insulation Resistance | 10MΩ or higher at DC500V (min.)(between charging and FG terminals) |
| Surrounding Air Temperature | 0 °C to +50 °C *8 |
| Storage Temperature | -20 °C to +60 °C |
| Humidity | 10%RH to 90%RH (Non-condensing, wet bulb temperature: 39 °C max.) |
| Storage Humidity | 10%RH to 90%RH (Non-condensing, wet bulb temperature: 39 °C max.) |
| Pollution Degree | Pollution Degree 2 |
| Atmosphere | Free of corrosive gasses |
| Air Pressure/Vibration Resistance (Availment altitude) | 800hPa to 1114hPa (2000 meters or lower) |
| Vibration Resistance | IEC61131-2 compliant 5Hz to 9Hz Single-amplitude 3.5mm 9Hz to 150Hz Fixed acceleration 9.8m/s ² X, Y, Z directions for 10 cycle (100min.) |
| Noise Immunity (via noise simulator) | Noise Voltage: 1000Vp-p Pulse Duration: 1μs Rise Time: 1ns |
| Electrostatic Discharge Immunity | 6kV (complies with EN 61000-4-2 Level 3) |
| Grounding | 100Ω or less, or your country's applicable standard *9 |
| Ratings (For front panel of installed unit) | Equivalent to IP65f NEMA #250 TYPE 4X/13 *10 |
| External Dimensions | W130mm[5.12in.] x H104mm[4.09in.] x D40mm[1.57in.] |
| Weight | 0.4kg (0.9lb) max.(Unit Only) |
| Cooling Method | Natural air circulation |

- *1 Changing the Colors setting to '256 colors' will disable the blinking feature on all screens in your project. If you wish to use the blinking feature, select '256 colors'.
- *2 Font Sizes can be set up by software.
- *3 User area.
- *4 A Lithium battery's lifetime is:
 10 years when the battery's ambient temperature is 40 °C or less.
 4.1 years when the battery's ambient temperature is 50 °C or less.
 1.5 years when the battery's ambient temperature is 60 °C or less.
 When used for back up: Approximately 60 days, with a fully charged battery.
 Approximately 6 days, with a half-charged battery.
- *5 Logic Programming is not available.
- *6 RS-232C and RS-422/485 are software switchable.
- *7 SIEMENS SIMATIC S7-200/300/400 series (MPI port only).
 Please contact your Pro-face sales representative for supported models and other details.
- *8 Operating temperature refers to temperature inside mounting enclosure.
- *9 Grounding requirements differ from country to country. Be sure to confirm your work environment requirements prior to installation. For more information, please contact your local Pro-face office.
- *10 The degree of protection provided by these products is equivalent to IP65f, however their performance cannot be guaranteed for every environment. Be sure to confirm your work environment requirements prior to installation.

External Dimensions

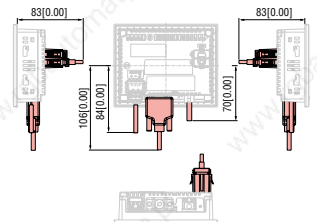


Panel Cut-out



Panel Thickness area 1.6 [0.06]-5.0 [0.20]
 Accommodates the panel cutout dimensions of current models (118.5x92.5) ST-40*

Cable Attached Dimensions



Unit:mm [in.]

Parts Names

- ① Display ② Touch Panel ③ Status LED ④ Power Input Terminal Block (AC model) Power Plug Connector (DC model) ⑤ USB Interface (Host) ⑥ Ethernet Interface (LAN) ⑦ Serial Interface(COM1)

* Depending on the type of connection cable used the dimensions shown above will change. The dimensions given here are representative values and are intended for reference only.