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New 5.7" HG2G-5T Series

Best-in-class features.

Enhanced performance!



5.7" HG2G-5T Series

Intelligently Designed

The NEW HG2G-5T HMI is a significant upgrade from the previous 5.7-inch model. The color version has a resolution of 65,536 colors via its TFT LCD screen and a brightness of 500 cd/m². The monochrome model has a resolution of 16 shades and a brightness of 1100 cd/m². This level of resolution produces an improved viewing experience, while the increased brightness allows screens to be easily seen even in direct sunlight.

Viewing can be configured for either portrait or landscape.

[HG2G-5T Datasheet](#)

[Download datasheet \(PDF\)](#)



Sharp Displays with Excellent Clarity

Brightest in the Market

USB Port A (USB 2.0)

Built-in Ethernet Port



2 Serial Ports: RS232 and RS485 (422)

Backlight Life

Multiple Protocols

Remote Monitor and Control

Enhanced features & functionality:

Multiple protocols, range of operating temperatures and backlight longevity



Environmental

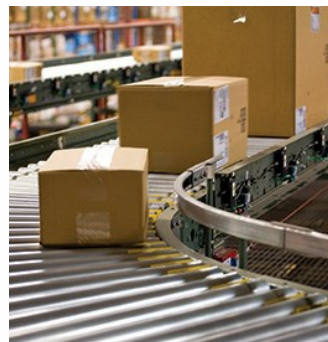
HG2G-5T has an upgraded 5.7" screen built with excellent environmental tolerance and a wide range of operating temperatures from -20 degrees C to +60 degrees C. These new HMIs also come with new approval ratings. With the addition of UL, Type 4X and Type 13 approvals (on the front panel), HG2G-5T models now provide customers with a degree of protection including Type 4X, Type 13, UL 508 and Class I Div 2 hazardous location. This makes HG2G HMIs suitable for applications in harsher environmental conditions, especially where protection against corrosion is required. For example:



Oil & Gas



Waste water treatment plants



Packaging and bottling plants

WindO/I-NV4 software



WindO/I-NV4 software

WindO/I-NV4 software is the simplest programming tool for all IDEC OI Touchscreens Series from 4.3" to 12.1" except the HG1F 4.6". The WindOI-NV4 software has the same look and feel as the WindOI NV2 with all the great features, such as support of multiple protocols, FTP and Email functions. It is used to create projects that can display information from a PLC, process status, or can be used to input data with virtual switches or keypads to make changes to a process. The objects are extremely easy to configure with the help of step-by-step navigation. It lets you quickly create colorful graphical screens in no time using drop-down menus and intuitive drag and drop functionality for the objects. A workspace is available to help you organize and manage projects, objects and screens.

Highlights

Built-in Serial and Networking Protocols, this will allow IDEC Touchscreens to locally or remotely communicate with IDEC or other major brand PLC manufacturers. IDEC Touchscreen's communications capabilities expand well beyond IDEC brand PLCs. Over 100 major PLC protocols are supported: Allen Bradley, Mitsubishi, Omron, Automation Direct (Koyo), Keyence, GE, Modicon, Siemens, Sharp, and many more.

Built-in library of over 5,000 symbols

[Download WindOI-NV4 Demo](#)

[Download Automation Organizer Demo](#)

User registration/sign in is required to download software trial.

Comparison

HG2G Color

	IDEC HG2G-5T Color	Automation Direct	Proface	Allen Bradely	Red Lion	Maple System	Beijer
Model Type	HG2G-5TN22TF	EA9-T6CL	PFXGP4303TAD	2711P-T6C20D8	G306A	5.7" Not Available	
Display Type	5.7" TFT 500cd/m ²	5.7" TFT, 280 cd/m ²	5.7" TFT	5.7" TFT 440 cd/m ²	5.7" TFT, 380 cd/m ²		
Rated Power Voltage	12 - 24V DC	12 - 24V DC	24V DC	18-30V DC	24V DC		
Resolution	320x240, 16 bits color	320x240, 65 bits color	320x240, 65 bits color	320x240, 18 bits color	320x240, 8 bits color		



Backlight/Life	White LED 100,000h	LED 50,000h	White LED, 50, 000h	White LED, 25,000h	White LED 50,000h
Operating Temperature	(-20 to 60 degree)	0 to 50 degree	0 to 55 degree	0 to 55 degree	0 to 50 degree
User Memory	5MB	26MB	16MB	512MB	8MB
USB Port A / Mini B	USB port A/B	USB port A/B	USB port A/B	USB port A/B	USB mini B
Ethernet Port	Yes	Yes	Yes	Yes	Yes
Serial Port	RS232 and RS422 (485)	2 RS232, 1 RS422(485)	Com1 RS232, Com ² RS422(485)	RS-232	2 RS232, 1 RS422(485)
Protection	IP66F/NEMA 4X/13, Class I Div 2	IP 65/Type 4X	IP65F, Type 4X, 13	IP 66, Type 4X, 12,13 Class I Div 2	IP 66/Type 4X

HG2G Monochrome



	IDEC HG2G-5T Mono	Automation Direct	Allen Bradely	Red Lion	Maple System	Beijer
Model Type	HG2G-5TN22TF	EA7-S6M	2711P-T6m ² 0D8	G306M	5.7" Not Available	
Display Type	TFT Mono 1,100cd/m ²	5.7" STN, 150 cd/m ²	5.7" TFT, 440 cd/m ²	5.7" STN, 165 cd/m ²		
Rated Power Voltage	12 - 24 VDC	24V DC	18-30V DC	12 or 24V DC		
Resolution	320x240, 16 shades	320x240, 15 shades	320x240, 16 shades	320x240		
Backlight/Life	White LED 100,000h	LED 50,000h	White LED, 25,000h	White LED 20,000h		
Operating Temperature	(-20 to 60 degree)	0 to 50 degree	0 to 50 degree	0 to 50 degree		
User Memory	5MB	10MB	512MB	4MB		
USB Port A / Mini B	USB port A/B	USB port A/B	USB port A/B	USB mini B		
Ethernet Port	Yes	Yes	Yes	Yes		
Serial Port	RS232 and RS422 (485)	COM1 RS232, RS422(485)	RS232	2 RS232, 1 RS422(485)		
Protection	IP66F/NEMA 4X/13, Class 1 Div 2	IP 65/Type 4X	IP66, Type 4X Class 1 Div 2	IP 66/Type 4X		

Selection Guide


5.7" HMI



	Display Type	Bezel Color	Part Number
	5.7" TFT Color LCD, 65536 Colors	Light Gray	HG2G-5TT22TF-W
		Black	HG2G-5TT22TF-B
		Silver	HG2G-5TT22TF-S
	5.7" TFT Monochrome LCD	Light Gray	HG2G-5TN22TF-W
		Black	HG2G-5TN22TF-B
		Silver	HG2G-5TN22TF-S

5.7" HMI Starter Kits

	Part Numbers	Description
	SMARTTOUCH-2G-5TN	HG2G TFT Monochrome display. Includes Programming Software, Cable and Power Supply
	SMARTTOUCH-2G-5TT	HG2G 65,536 colors TFT display. Includes Programming Software, Cable and Power Supply

PLC + HMI Starter Kits

	Part Numbers	Description
	KIT-PENTRA-24-HG2G-5TN	24 I/O Pentra, 5.7" HG2G monochrome TFT with Ethernet, Automation Organizer software, 60W power supply, and cables

	<p>KIT-PENTRA-24-HG2G-5TT</p>	<p>24 I/O Pentra, 5.7" HG2G 65,536 color TFT with Ethernet, Automation Organizer software, 60W power supply, and cables</p>
	<p>KIT-PENTRA-12-HG2G-5TN</p>	<p>12 I/O ethernet Pentra, 5.7" HG2G monochrome TFT with Ethernet, Automation Organizer software, 60W power supply, and cables</p>
	<p>KIT-PENTRA-12-HG2G-5TT</p>	<p>12 I/O ethernet Pentra, 5.7" HG2G color TFT with Ethernet, Automation Organizer software, 60W power supply, and cables</p>

Request an In-Person Demonstration

Please complete the form below.

* Indicates a required field

In-person demo is available to US residents only.

First Name* Last Name*

Email Address*

Phone*

Title

Company*

Street Address* City*

State*

Zip*

OI Touchscreen Size*

Summary of Application*

Send

Get in Touch

Get in touch with us via the links below. We will respond to you shortly.

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