IDEC

Think Automation and beyond...

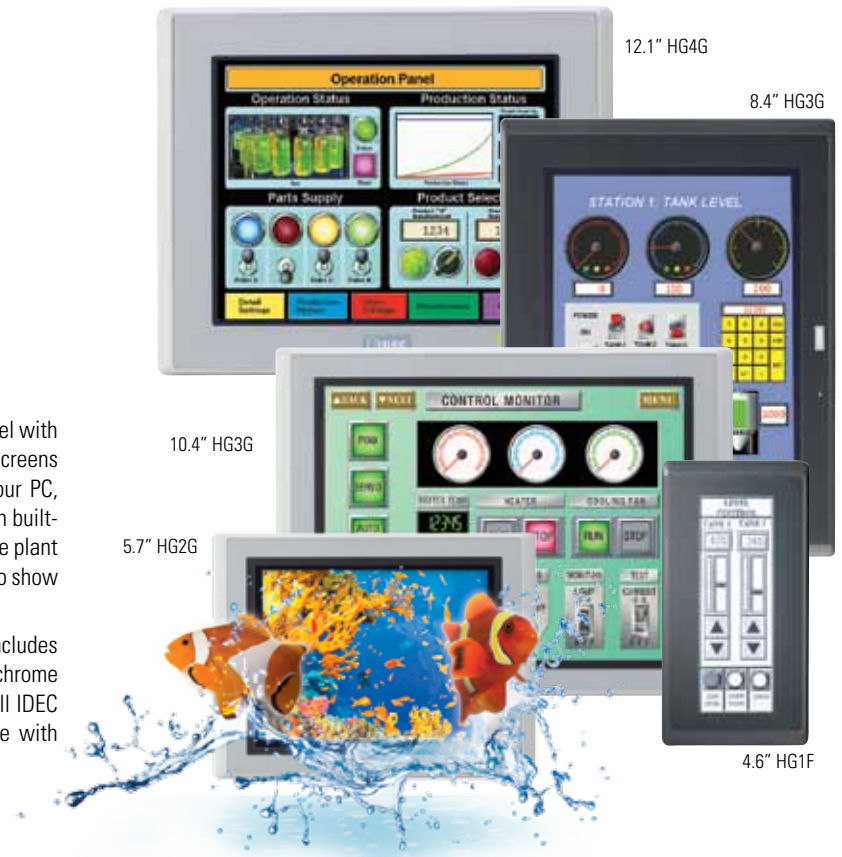**IDEC** Automation Starter Kits

OI Touchscreen Starter Kits

www.IDEC.com/starterkit

High-Performance Series highlights:

- 5.7", 8.4", 10.4" and 12.1" Touchscreens
- 65,536 Color TFT LCD
- Mounts Portrait or Landscape
- Video & Audio Interface
- Remote Access, Monitor & Control
- Super Bright: Up to 800 cd/m²
- Support of MicroSmart Expansion Discrete I/O modules
- Serial, Ethernet, & USB ports

Comprehensive Control

The High-Performance series brings performance to a whole new level with advanced features and capabilities. All High-Performance OI touchscreens can remotely access, monitor and control from anywhere using your PC, PDA or Smart Phone. In addition the 8.4" to 12.1" screens come with built-in video input, and audio in/out for video monitoring conditions on the plant floor or playing movie files to give detailed instructions, tutorials, or to show an operation manual.

For a powerful, yet compact choice, we have our Basic series which includes the 4.6" HG1F touchscreen monochrome and the 5.7" HG2G monochrome (12 or 24V DC) or color (12-24V DC) with optional Ethernet ports. All IDEC touchscreens can function as stand-alone devices or communicate with IDEC PLCs, as well as all other major brand PLCs.

For more information, visit
www.IDEC.com/oi

12.1" HG4G

8.4" HG3G

10.4" HG3G

5.7" HG2G

4.6" HG1F

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OI Touchscreens

		Operator Interface	Power Supply	Software and Cable	Part Number	Reg. Price	**PACKAGE PRICE**
Basic Series		4.6" Monochrome, RS232, HG1F-SB22BF-B	30W	√	SMARTTOUCH-1F	$549	$399
		5.7" Monochrome, 12V DC, HG2G-SB21VF-B	30W	√	SMARTTOUCH-2G-M12V	$934	$549
		5.7" Monochrome, 24V DC, HG2G-SB22VF-B	30W	√	SMARTTOUCH-2G-M	$934	$549
		5.7" Monochrome, 24VDC, Ethernet, HG2G-SB22TF-B	30W	√	SMARTTOUCH-2G-EM	$1034	$649
		5.7" 256 Color TFT LCD, 12-24VDC, HG2G-5ST22TF-B	60W	√	SMARTTOUCH-2GTE	$1144	$599
High-Performance Series		5.7" 65K Color TFT, HG2G-5FT22TF-B	60W	√	SMARTTOUCH-2GHP	$1394	$849
		8.4" 65K Color TFT , Video In, Audio In/Out, HG3G-8JT22MF-B	60W	√	SMARTTOUCH-3G8HP	$1594	$1099
		10.4" 65K Color TFT, Video In, Audio In/Out, HG3G-AJT22MF-B	60W	√	SMARTTOUCH-3GAHP	$1994	$1499
		12.1" 65K Color TFT, Video In, Audio In/Out, HG4G-CJT22MF-B	60W	√	SMARTTOUCH-4GHP	$2394	$1699

All packages come with Automation Organizer software suite and a communication cable.

FC5A

MicroSmart Pentra highlights:
- Embedded Ethernet CPU
- Modbus TCP, RTU and ASCII
- 1MB User Web Page
- Email/Text Message Alerts
- USB Programming Port
- Integrated 100KHz High-speed I/O
- Up to 7 Communication Ports
- Max. 512 I/Os

Take Control
MicroSmart Pentra is the fastest micro-PLC on the market. It incorporates all the latest features, a fast processing speed, up to 512 I/Os, built-in Modbus Master/Slave, 32-bit data processing and floating point math in a compact housing. Plus, new MicroSmart Pentra with embedded Ethernet offer everything from Modbus TCP and email/text messaging functionality, to web server functions and an interactive user web page with dynamic data.

Class 1 Div 2 Hazardous Locations

For more information, visit
www.IDEC.com/plc

MicroSmart Pentra / MicroSmart

CPU Type	Power Supply	Software and Cable	Part Numbers	Reg. Price	PACKAGE PRICE
16 I/O, FC5A-D16RS1 CPU	30W	√	MM-PENTRA-16	$648	$399
24 I/O, FC5A-C24R2 CPU	–	√	MM-PENTRA-24	$793	$399
12 I/O, FC5A-D12S1E Ethernet CPU	30W	√	MM-PENTRA-12	$944	$499
10 I/O, FC4A-C10R2 CPU	–	√	MM-SMART-10	$531	$259
16 I/O, FC4A-C16R2 CPU	–	√	MM-SMART-16	$632	$329
20 I/O, FC4A-D20RK1 CPU	15W	√	MM-SMART-20	$788	$449
24 I/O, FC4A-C24R2 CPU	–	√	MM-SMART-24	$773	$429
40 I/O, FC4A-D40K3 CPU	15W	√	MM-SMART-40	$1163	$679

All packages come with Automation Organizer software suite and a communication cable.

General Applications
- Liquid Level Controls
- Valves and Pumps Control
- Solar Traffic Lights
- Relay/Timer replacement

Setup as Easy as 1-2-3
IDEC SmartRelay is a cost-effective solution to simple logic controls. It's an ideal replacement for your relay control system on small I/O sequencing applications. One IDEC SmartRelay can replace the relays, timers and counters in your control panel. With I/Os expandable up to 50, built-in analog inputs, built-in LCD display for programming and monitoring, and 10A relay outputs, you can do more than ever before.

FL1E

Class 1 Div 2 Hazardous Locations

For more information, visit
www.IDEC.com/smartrelay

IDEC SmartRelay

Controller Type	LCD Screen	Software and Cable	Part Numbers	Reg. Price	PACKAGE PRICE
12 I/O, 120-240V AC/DC, FL1E-B12RCC CPU	–	√	SMARTSTART-BAC-E	$348	$179
12 I/O, 12/24V DC, FL1E-B12RCE CPU	–	√	SMARTSTART-BDC-E	$343	$179
12 I/O, 120-240V AC/DC, FL1E-H12RCC CPU	√	√	SMARTSTART-HAC-E	$378	$199
12 I/O, 12/24V DC, FL1E-H12RCE CPU	√	√	SMARTSTART-HDC-E	$373	$199

All packages come with WindLCG software and a communication cable.

Complete Control Packages

Whether you want to give IDEC products a try, or you already use them, but want a complete automation system that is quick and easy to put together, our starter kits are a great deal! Each package includes an operator interface and your choice of 4.6" to 12.1" LCD screens. They also include a MicroSmart Pentra PLC (Slim with Embedded Ethernet or All-in-One design), a slim power supply, cables and software. Just buy a package and you're ready to go. Keep in mind, when you purchase an IDEC Starter Kit, you get not only the hardware and software; you also get access to technical support. And, even better, that technical support is free along with software upgrades, saving you even more time and money. Give IDEC a try today and start pulling in the savings now!

OI Touchscreens & PLCs

Operator Interface	CPU Type	Power Supply	Part Numbers	Reg. Price	PACKAGE PRICE
4.6" Monochrome, RS232, HG1F-SB22BF-B	24 I/O, FC5A-C24R2C CPU	60W	KIT-PENTRA-24-HG1F	$1,437	$849
4.6" Monochrome, RS232, HG1F-SB22BF-B	12 I/O, FC5A-D12S1E, Ethernet CPU	60W	KIT-PENTRA-12-HG1F	$1,467	$899
5.7" Monochrome, 24VDC, Ethernet, HG2G-SB22TF-B	24 I/O, FC5A-C24R2C CPU	60W	KIT-PENTRA-24-HG2G-M	$1,638	$999
5.7" Monochrome, 24VDC, Ethernet, HG2G-SB22TF-B	12 I/O, FC5A-D12S1E, Ethernet CPU	60W	KIT-PENTRA-12-HG2G-M	$1,668	$1,049
5.7" 256 Color TFT, Ethernet, HG2G-5ST22TF-B	24 I/O, FC5A-C24R2C CPU	60W	KIT-PENTRA-24-HG2G-TE	$1,743	$1,099
5.7" 256 Color TFT, Ethernet, HG2G-5ST22TF-B	12 I/O, FC5A-D12S1E, Ethernet CPU	60W	KIT-PENTRA-12-HG2G-TE	$1,693	$1,149
5.7" 65K Color TFT, HG2G-5FT22TF-B	16 I/O, FC5A-D16RS1 CPU	60W	KIT-PENTRA-16-HG2G-HP	$1,850	$1,249
5.7" 65K Color TFT, HG2G-5FT22TF-B	24 I/O, FC5A-C24R2C CPU	60W	KIT-PENTRA-24-HG2G-HP	$1,995	$1,249
5.7" 65K Color TFT, HG2G-5FT22TF-B	12 I/O, FC5A-D12S1E, Ethernet CPU	60W	KIT-PENTRA-12-HG2G-HP	$1,945	$1,299
8.4" 65K Color TFT, Video In, Audio In/Out, HG3G-8JT22MF-B	16 I/O, FC5A-D16RS CPU	60W	KIT-PENTRA-16-HG3G-8HP	$2,150	$1,499
8.4" 65K Color TFT, Video In, Audio In/Out, HG3G-8JT22MF-B	12 I/O, FC5A-D12S1E, Ethernet CPU	60W	KIT-PENTRA-12-HG3G-8HP	$2,245	$1,549
10.4" 65K Color TFT, Video In, Audio In/Out, HG3G-AJT22MF-B	16 I/O, FC5A-D16RS1 CPU	60W	KIT-PENTRA-16-HG3G-AHP	$2,550	$1,799
10.4" 65K Color TFT, Video In, Audio In/Out, HG3G-AJT22MF-B	12 I/O, FC5A-D12S1E, Ethernet CPU	60W	KIT-PENTRA-12-HG3G-AHP	$2,645	$1,849
12.1" 65K Color TFT, Video In, Audio In/Out, HG4G-CJT22MF-B	16 I/O, FC5A-D16RS1 CPU	60W	KIT-PENTRA-16-HG4G-HP	$2,850	$2,049
12.1" 65K Color TFT, Video In, Audio In/Out, HG4G-CJT22MF-B	12 I/O, FC5A-D12S1E, Ethernet CPU	60W	KIT-PENTRA-12-HG4G-HP	$2,945	$2,099

OI Touchscreens have black bezels. All packages come with Automation Organizer software suite and communication cables.