

Operator Interfaces E-HMI Series

Operating can not get any easier.

HITACHI

Inspire the Next



- Universal programming for all panels
- Multi-language programming
- 3.8" – 15.0" Touchscreen
- Recipe capability
- Trending graphics
- Alarm processing
- Fieldbus interfaces (Profibus-DP, DeviceNet, Ethernet, Interbus, CANopen)
- Drivers for Hitachi PLC and Inverter, Siemens Simatic S5/S7, Groupe Schneider SPS (TSX)

DeviceNet



PROFI
PROCESS FIELD BUS
BUS

CANopen

Ethernet

ÖZHAT

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Operator Interfaces

EH-HMI Series

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Text displays, operator panels and touch panels from Hitachi.

Hitachi offers a wide range of Operator Interfaces which allow you to choose the best technical and economical solution for your application. Thirteen models are available, text and graphic displays

as well as touch panels. They are all programmable with the same software. This means additional cost savings and less training requirements.

All features at a glance



		Text Display	Operator Panels				
Type		EH-TD10A	EH-OP05	EH-OP10	EH-OP20	EH-OP30	EH-TP
Communication	HITACHI H+E Series PLCs	•	•	•	•	•	•
	HITACHI Inverters L/SJ100, L/SJ300	•	•	•	•	•	•
	Profibus-DP	•	•	•	•	•	•
	DeviceNet	•	•	•	•	•	•
	ETHERNET TCP/IP	•	•	•	•	•	•
	INTERBUS	•	•	•	•	•	•
	CANopen	•	•	•	•	•	•
	SIEMENS SIMATIC S5/S7	•	•	•	•	•	•
	GROUPE SCHNEIDER SPS (TSX)	•	•	•	•	•	•
Display	Type	LCD monochrome	LCD monochrome	LCD monochrome	LCD monochrome 1/4 VGA	STN Passive Color 1/4 VGA 16 colours	LCD monochrome CCFL-backlit
	Lines x Characters	4 x 20	4 x 20	8 x 40	16 x 40	16 x 40	16 x 40
	Resolution	120 x 32 Pixel	120 x 32 Pixel	240 x 64 Pixel	320 x 240 Pixel	320 x 240 Pixel	320 x 240 Pixel
	Diagonal size (inches)						3.8
Keypad	Type	Integral keypad	Integral keypad	Integral keypad	Integral keypad	Integral keypad	touch-sensitive
	Function / System Keys	4 / 7	12 / 23	23 / 24	23 / 31	23 / 31	
Memory	Internal Memory	512 kByte Flash-EPROM	512 kByte Flash-EPROM	512 kByte Flash-EPROM	32 MB SSFDC memory card	32 MB SSFDC memory card	512 kByte Flash
	Pluggable FLASH memory	-	-	-	•	•	-
Functions	Bargraph and diagram display	•	•	•	•	•	•
	Full graphics	•	•	•	•	•	•
	Recipe storage	-	16 kByte	16 kByte	32 kByte	32 kByte	32 kByte
	Battery	-	•	•	•	•	•
	Password protection	•	•	•	•	•	•
	Real time clock	-	•	•	•	•	•
Miscellaneous	Alarm handling	256 max.	1024 max.	1024 max.	1024 max.	1024 max.	1024 max.
	Printer port	-	•	•	•	•	•
Port(s)	PLC port	1 x RS-232/422/485/20mA	1 x RS-232/422/485/20mA	1 x RS-232/422/485/20mA	1 x RS-232/422/485/20mA	1 x RS-232/422/485/20mA	1 x RS-232/422/485/20mA
	PC Port	Uses PLC Port	1 x RS-232	1 x RS-232	1 x RS-232	1 x RS-232	Uses PLC Port
	Baudrate	9,600 baud	38,400 baud	38,400 baud	38,400 baud	38,400 baud	38,400 baud
	Aux. port for opt. fieldbus module	•	•	•	•	•	•
Dimensions	External dimensions (H x W) in mm	109 x 149	176 x 141	176 x 220	220 x 275	220 x 275	109 x 149
Programming	Programming software						

The advantages

- Customized for all Hitachi PLCs and inverters. Drivers for Siemens S5 and S7 and Groupe Schneider PLCs are also included.
- High-resolution graphic displays, easily legible even in bad lighting conditions
- Dust and splash proof enclosures to IP65
- Reduced depth to help with installation
- Customer specific adaptations
- Fieldbus interfaces: Profibus-DP, Interbus, CANopen, DeviceNet, Ethernet





Touch Panels							
	EH-TP10	EH-TP20	EH-TP28	EH-TP30A	EH-TP45A	EH-TP60A	EH-TP70A
	•	•	•	•	•	•	•
	•	•	•	•	•	•	•
	•	•	•	•	•	•	•
	•	•	•	•	•	•	•
	•	•	•	•	•	•	•
	•	•	•	•	•	•	•
	•	•	•	•	•	•	•
	•	•	•	•	•	•	•
	•	•	•	•	•	•	•
me 1/4 VGA	LCD monochrome 1/4 VGA	STN color 1/4 VGA	TFT color VGA	LCD monochrome VGA	TFT color VGA	TFT color SVGA	TFT color XGA
backlit	CCFL-backlit	CCFL-backlit, 16 colours	CCFL-backlit, 64k colours	CCFL-backlit	CCFL-backlit, 64k colours	CCFL-backlit, 64k colours	CCFL-backlit, 64k colours
Resolution	16 x 40	16 x 40	30 x 80	30 x 80	30 x 80	40 x 100	48 x 128
Pixel	320 x 240 Pixel	320 x 240 Pixel	640 x 480 Pixel	640 x 480 Pixel	640 x 480 Pixel	800 x 600 Pixel	1024 x 768 Pixel
	5.6	5.6	7.5	9.6	10.4	12.1	15
ive cells	touch-sensitive cells	touch-sensitive cells	touch-sensitive cells	touch-sensitive cells	touch-sensitive cells	touch-sensitive cells	touch-sensitive cells
h-EPROM	32 MB SSFDC memory card	32 MB SSFDC memory card	32 MB Flash intern/SSFDC	32 MB Flash intern/SSFDC	32 MB Flash intern/SSFDC	32 MB Flash intern/SSFDC	32 MB Flash intern/SSFDC
	•	•	•	•	•	•	•
	•	•	•	•	•	•	•
	•	•	•	•	•	•	•
yte	32 kByte	32 kByte	32 kByte	32 kByte	32 kByte	32 kByte	32 kByte
	•	•	•	•	•	•	•
	•	•	•	•	•	•	•
	•	•	•	•	•	•	•
max.	1024 max.	1024 max.	1024 max.	1024 max.	1024 max.	1024 max.	1024 max.
	•	•	•	•	•	•	•
/485/20mA	1 x RS-232/422/485/20mA	1 x RS-232/422/485/20mA	1 x RS-232/422/485/20mA	1 x RS-232/422/485/20mA	1 x RS-232/422/485/20mA	1 x RS-232/422/485/20mA	1 x RS-232/422/485/20mA
Port	1 x RS-232	1 x RS-232	1 x RS-232	1 x RS-232	1 x RS-232	1 x RS-232	1 x RS-232
baud	38,400 baud	38,400 baud	38,400 baud	38,400 baud	38,400 baud	38,400 baud	38,400 baud
	•	•	•	•	•	•	•
149	147 x 187	147 x 187	232 x 187	232 x 287	232 x 287	267 x 337	307 x 392

EH-VIEW 6.05 (32-Bit)

Comfortable application design

- One software, EH-VIEW, with Windows Look and Feel for programming all EH-HMI panels
- Quick and easy application design: upload and download of project parameters
- Softkeys, function keys or touch screen for easy operation
- Quick info via online help screens

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EH-VIEW. The Programming Software for all Hitachi EH-HMI.

The entire family of EH-HMI panels can be programmed with the easy-to-use EH-VIEW software. This minimizes training and development cost.

EH-VIEW is a Windows® application with a flexible "WYSIWYG" editor (What you see is what you get) for building the operator panel. The interactive programming environment facilitates adding text, graphics, variables, touch cells and other elements.

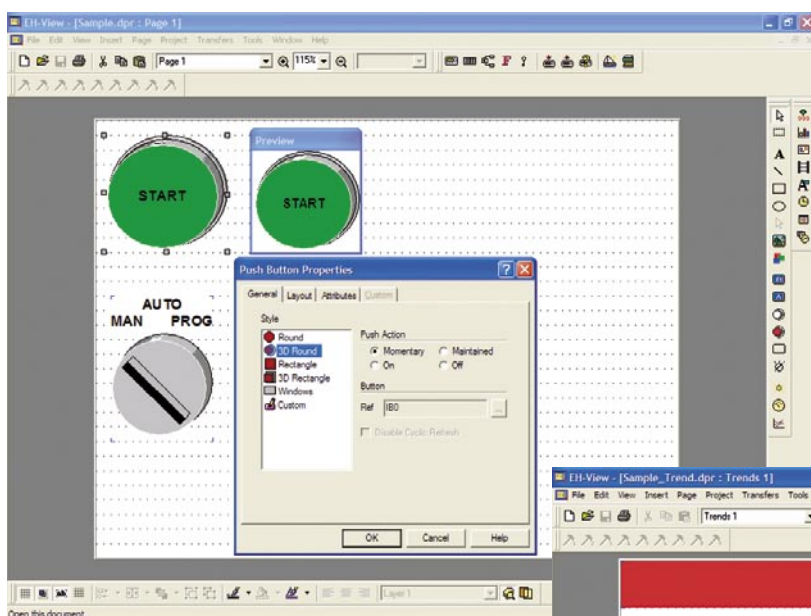
The result: functional displays for a professional application.

Adding simplicity to highly complex instruction sequences is easily performed with the Macro Editor. No extra programming is required, and macros can be initiated simply by the operator's touch.

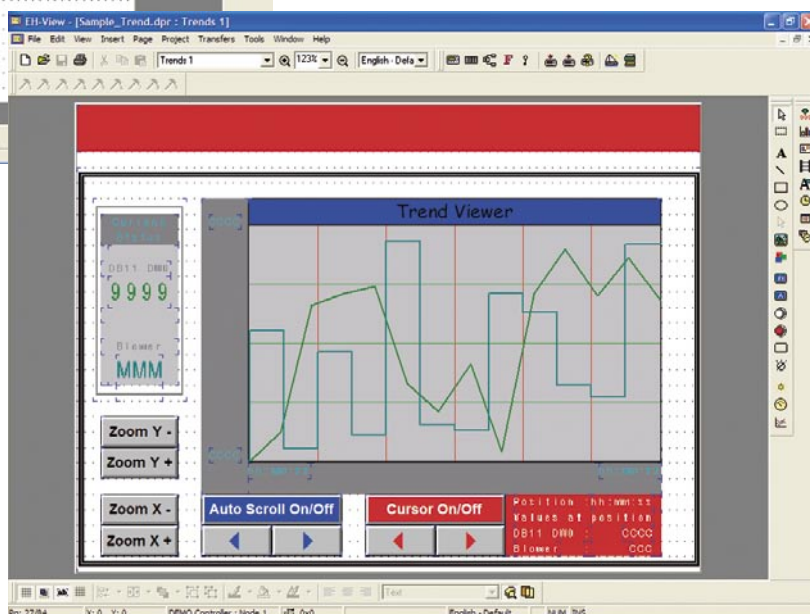
EH-VIEW integrates a sophisticated recipe management, with full support for multi-page recipes, recipe storing and download. Recipe upload enables the user to capture and store the parameters of an "ideal" recipe by directly loading them from the PLC to the panel.

The software's trending support provides the user with the necessary real-time data to manage the application optimally.

In large applications, it is possible to install a network of Hitachi HMIs and set up an extensive data-exchange network among panels and PLCs.



As standard, EH-VIEW includes the most common communication drivers. The definition of PLC type and addressing is straight forward and closely connected to the respective application.



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