

HMI-576

A powerful paperless data logger



Key features

- Small truly portable data logger
- 6 universal analog inputs (RTD, Thermocouples, 0-5Vdc, 0-20mA or 4-20mA signal inputs)
- Individual HI/LO Alarm set points shown with color toggling on display.
- Alarm relay outputs with optional DIN rail mounting relay module.
- Configured via large easy-to-read Multicolor 5.7 inch graphical LCD (TFT) Display, resolution 640x480 pixels.
- 0.2% accuracy
- USB connectivity.
- 10M / 100M Ethernet connectivity
- Non volatile storage
- Supplied with PC based Data acquisition software

The HMI-576 is versatile general purpose universal input data logger with 6 analog inputs channels to measure process input signals from temperature sensors, humidity sensors, 0 - 5 Vdc or 4 - 20 mA signals from pressure sensors. The logging is automatically triggered at pre-programmed time intervals. A variety of communication ports are included like RS-232 or RS-485, USB 2.0 and 10/100M Ethernet port, Parallel or Printer port. This enables data transfer from logger to any external devices.

It is a small, truly portable logger which also suitable for panel mounted installations. Easily programmed via the seven integral push buttons and large graphical TFT display and with basic accuracy of 0.2% FSD. The HMI-576 is able to fulfil many routine data logging needs, including more demanding applications.

Data logger - HMI-576

HMI-576 Technical specifications

No. of analogue channels	6 channels.
Universal Input	Yes
Voltage ranges	0-5 Vdc Single ended.; Range and scale User Programmable
Current ranges	0-20mA, 4-20mA. Range and scale User Programmable
Thermocouple Ranges; Differential and Single Ended All T/C with built-in cold junction compensation of Accuracy 0.5 degree celcius.	0 to 1200°C - J type 0 to 1800°C - B type 0 to 1372°C - K type 0 to 1300°C - N type 0 to 1768°C - R type 0 to 1768°C - S type 0 to 400°C - T type
Pt100/1000, 2-wire , 3-wire	-200 to 300°C
Internal reference temperature	-50 to 150°C
Alarm Outputs	Alarming signals for 4 relays configurable.
A/D Resolution	12 bit successive approximation.
Accuracy	0.2% FSD of range.
Averaging	Provision for 4 channel averaging..
Historical trends	Yes, Distinct color for each ch.on LCD(TFT) and in PC software for programmed duration.
Data Scaling	Yes
Data Statistics	Yes from within Data acquisition PC software
Data Sampling	125 mS for each channel,
Memory Internal	400 MB (1 to 112000 readings)
Display	5.7 inch multicolor LCD (TFT) graphical display with LED backlit. VGA (Resolution 640 X 480 pixels).
User Interface	Sensitive touchscreen resistive type additionally for easy operation 7 tactile push button keypad USB interface to connect external mouse and keyboard.
Internal Battery for storage	One 3V Lithium cell, easily replaceable.
Totaliser	Two 5 digit totalisers with recording and trending on the screen.
Battery life	Up to 5 years.
Networking	10M / 100M Ethernet port, TCP/IP protocol to communicate with PC, Device IP settable.
USB Port	USB 2.0 Host, can connect external 8GB pen drive.
Serial Communication port	RS-232 or RS-485 Factory settled.
PC Setup	Yes, with dedicated data acquisition software.
Front Panel setup	Via touch screen and 7 integral keys. All essential functionality available via key pad e.g. RTC set Print time set, program input type, memory store, copy etc.
Stored setups	6
Operating temperature	0 to 55°C
Dimensions	W-144 x H-144 x D-80 mm, Weight 0.7kg , Flush Panel Mounting type
Panel cutout	W-138 x H-138 mm.
Power Supply	100-260 Vac, 50Hz +/-10%.
Enclosure Safety	IP-65 for Front panel only..
Isolation- Channel to Channel, Channel to earth	Up to 300V RMS AC
Terminal connection	1.5mm sq. detachable terminal strip.

HMI-806

A powerful paperless data logger



Key features

- Small truly portable data logger
- 6 universal analog inputs (RTD, Thermocouples, 0-5Vdc, 0-20mA or 4-20mA signal inputs)
- Individual HI/LO Alarm set points shown with color toggling on display.
- Alarm relay outputs with optional DIN rail mounting relay module.
- Configured via large easy-to-read Multicolor 12 inch graphical LCD (TFT) Display, resolution 800x600 pixels.
- 0.2% accuracy
- USB connectivity.
- 10M / 100M Ethernet connectivity
- Non volatile storage
- Supplied with PC based Data acquisition software

The HMI-806 is versatile general purpose universal input data logger with 6 analog inputs channels to measure process input signals from temperature sensors, humidity sensors, 0 - 5 Vdc or 4 - 20 mA signals from pressure sensors. The logging is automatically triggered at pre-programmed time intervals. A variety of communication ports are included like RS-232 or RS-485, USB 2.0 and 10/100M Ethernet port, Parallel or Printer port. This enables data transfer from logger to any external devices.

It is a small, truly portable logger which also suitable for panel mounted installations. Easily programmed via the seven integral push buttons and large graphical TFT display and with basic accuracy of 0.2% FSD. The HMI-806 is able to fulfil many routine data logging needs, including more demanding applications.

Data logger - HMI-806

HMI-806 Technical specifications	
No. of analogue channels	6 channels.
Universal input	Yes
Voltage ranges	0-5 Vdc Single ended.; Range and scale User Programmable
Current ranges	0-20mA, 4-20mA. Range and scale User Programmable
Thermocouple Ranges; Differential and Single Ended All T/C with built-in cold junction compensation of Accuracy 0.5 degree celcius.	0 to 1200°C - J type 0 to 1800°C - B type 0 to 1372°C - K type 0 to 1300°C - N type 0 to 1768°C - R type 0 to 1768°C - S type 0 to 400°C - T type
Pt100/1000, 2-wire, 3-wire	-200 to 300°C
Internal reference temperature	-50 to 150°C
Alarm Outputs	Alarming signals for 4 relays configurable.
A/D Resolution	12 bit successive approximation.
Accuracy	0.2% FSD of range.
Averaging	Provision for 4 channel averaging..
Historical trends	Yes, Distinct color for each ch.on LCD (TFT) and in PC software for programmed duration.
Data Scaling	Yes
Data Statistics	Yes from within Data acquisition PC software
Data Sampling	125 mS for each channel.
Memory Internal	400 MB (1 to 112000 readings)
Display	12 inch multicolor LCD (TFT) graphical display with LED backlit. Resolution 800 X 600 pixels.
User Interface	Sensitive touchscreen resistive type additionally for easy operation 7 tactile push button keypad USB interface to connect external mouse and keyboard.
Internal Battery for storage	One 3V Lithium cell, easily replaceable.
Totaliser	Two 5 digit totalisers with recording and trending on the screen.
Battery life	Up to 5 years.
Networking	10M / 100M Ethernet port, TCP/IP protocol to communicate with PC, Device IP settable.
USB Port	USB 2.0 Host, can connect external 8GB pen drive.
Serial Communication port	RS-232 or RS-485 Factory settled.
PC Setup	Yes, with dedicated data acquisition software,
Front Panel setup	Via touch screen and 7 integral keys. All essential functionality available via key pad e.g. RTC set Print time set, program input type, memory store, copy etc.
Stored setups	6
Operating temperature	0 to 55°C
Dimensions	W-288 x H-288 x D-115 mm, Weight 0.7kg Flush Panel Mounting type
Panel cutout	W-257 x H-175 mm
Power Supply	100-260 Vac, 50Hz +/-10%.
Enclosure Safety	IP-65 for Front panel only..
Isolation- Channel to Channel, Channel to earth	Up to 300V RMS AC
Terminal connection	1.5mm sq. detachable terminal strip.

HMI-8012

A powerful paperless data logger



Key features

- Small truly portable data logger
- 12 universal analog inputs (RTD, Thermocouples, 0-5Vdc, 0-20mA or 4-20mA signal inputs)
- Individual HI/LO Alarm set points shown with color toggling on display.
- Alarm relay outputs with optional DIN rail mounting relay module.
- Configured via large easy-to-read Multicolor 12 inch graphical LCD (TFT) Display, resolution 800x600 pixels.
- 0.2% accuracy
- USB connectivity.
- 10M / 100M Ethernet connectivity
- Non volatile storage
- Supplied with PC based Data acquisition software

The HMI-8012 is versatile general purpose universal input data logger with 12 analog inputs channels to measure process input signals from temperature sensors , humidity sensors, 0 - 5 Vdc or 4 - 20 mA signals from pressure sensors. The logging is automatically triggered at pre-programmed time intervals. A variety of communication ports are included like RS-232 or RS-485 , USB 2.0 and 10/100M Ethernet port, Parallel or Printer port. This enables data transfer from logger to any external devices.

It is a small, truly portable logger which also suitable for panel mounted installations. Easily programmed via the seven integral push buttons and large graphical TFT display and with basic accuracy of 0.2% FSD. The HMI-8012 is able to fulfil many routine data logging needs, including more demanding applications.

HMI-8012 Technical specifications

No. of analogue channels	12 channels.
Universal Input	Yes
Voltage ranges	0-5 Vdc Single ended.; Range and scale User Programmable
Current ranges	0-20mA, 4-20mA. Range and scale User Programmable
Thermocouple Ranges; Differential and Single Ended All T/C with built-in cold junction compensation of Accuracy 0.5 degree celsius.	0 to 1200°C - J type 0 to 1800°C - B type 0 to 1372°C - K type 0 to 1300°C - N type 0 to 1768°C - R type 0 to 1768°C - S type 0 to 400°C - T type
Pt100/1000, 2-wire, 3-wire	-200 to 300°C
Internal reference temperature	-50 to 150°C
Alarm Outputs	Alarming signals for 4 relays configurable.
A/D Resolution	12 bit successive approximation.
Accuracy	0.2% FSD of range.
Averaging	Provision for 4 channel averaging..
Historical trends	Yes, Distinct color for each ch.on LCD (TFT) and in PC software for programmed duration.
Data Scaling	Yes
Data Statistics	Yes from within Data acquisition PC software
Data Sampling	125 mS for each channel,
Memory Internal	400 MB (1 to 112000 readings)
Display	12 inch multicolor LCD (TFT) graphical display with LED backlit. Resolution 800 X 600 pixels.
User Interface	Sensitive touchscreen resistive type additionally for easy operation 7 tactile push button keypad USB interface to connect external mouse and keyboard.
Internal Battery for storage	One 3V Lithium cell, easily replaceable.
Totaliser	Two 5 digit totalisers with recording and trending on the screen.
Battery life	Up to 5 years.
Networking	10M / 100M Ethernet port, TCP/IP protocol to communicate with PC, Device IP settable.
USB Port	USB 2.0 Host, can connect external 8GB pen drive.
Serial Communication port	RS-232 or RS-485 Factory settled.
PC Setup	Yes, with dedicated data acquisition software.
Front Panel setup	Via touch screen and 7 integral keys. All essential functionality available via key pad e.g. RTC set Print time set, program input type, memory store, copy etc.
Stored setups	6
Operating temperature	0 to 55°C
Dimensions	W-288 x H-288 x D-115 mm, Weight 0.7kg Flush Panel Mounting type
Panel cutout	W-257 x H-175 mm
Power Supply	100-260 Vac, 50Hz +/-10%.
Enclosure Safety	IP-65 for Front panel only..
Isolation- Channel to Channel, Channel to earth	Up to 300V RMS AC
Terminal connection	1.5mm sq. detachable terminal strip.

HMI-8024

A powerful paperless data logger



Key features

- Small truly portable data logger
- 24 universal analog inputs (RTD, Thermocouples, 0-5Vdc, 0-20mA or 4-20mA signal inputs)
- Individual HI/LO Alarm set points shown with color toggling on display.
- Alarm relay outputs with optional DIN rail mounting relay module.
- Configured via large easy-to-read Multicolor 12 inch graphical LCD (TFT) Display, resolution 800x600 pixels.
- 0.2% accuracy
- USB connectivity.
- 10M / 100M Ethernet connectivity
- Non volatile storage
- Supplied with PC based Data acquisition software

The HMI-8024 is versatile general purpose universal input data logger with 24 analog inputs channels to measure process input signals from temperature sensors, humidity sensors, 0 - 5 Vdc or 4 - 20 mA signals from pressure sensors. The logging is automatically triggered at pre-programmed time intervals. A variety of communication ports are included like RS-232 or RS-485, USB 2.0 and 10/100M Ethernet port, Parallel or Printer port. This enables data transfer from logger to any external devices.

It is a small, truly portable logger which also suitable for panel mounted installations. Easily programmed via the seven integral push buttons and large graphical TFT display and with basic accuracy of 0.2% FSD. The HMI-8024 is able to fulfil many routine data logging needs, including more demanding applications.

HMI-8024 Technical specifications	
No. of analogue channels	24 channels.
Universal Input	Yes
Voltage ranges	0-5 Vdc Single ended.; Range and scale User Programmable
Current ranges	0-20mA, 4-20mA. Range and scale User Programmable
Thermocouple Ranges; Differential and Single Ended All T/C with built-in cold junction compensation of Accuracy 0.5 degree celsius.	0 to 1200°C - J type 0 to 1800°C - B type 0 to 1372°C - K type 0 to 1300°C - N type 0 to 1768°C - R type 0 to 1768°C - S type 0 to 400°C - T type
Pt100/1000, 2-wire, 3-wire	-200 to 300°C
Internal reference temperature	-50 to 150°C
Alarm Outputs	Alarming signals for 4 relays configurable.
A/D Resolution	12 bit successive approximation.
Accuracy	0.2% FSD of range.
Averaging	Provision for 4 channel averaging..
Historical trends	Yes, Distinct color for each ch.on LCD (TFT) and in PC software for programmed duration.
Data Scaling	Yes
Data Statistics	Yes from within Data acquisition PC software
Data Sampling	125 mS for each channel,
Memory Internal	400 MB (1 to 112000 readings)
Display	12 inch multicolor LCD (TFT) graphical display with LED backlit. Resolution 800 X 600 pixels.
User Interface	Sensitive touchscreen resistive type additionally for easy operation 7 tactile push button keypad USB interface to connect external mouse and keyboard.
Internal Battery for storage	One 3V Lithium cell, easily replaceable.
Totaliser	Two 5 digit totalisers with recording and trending on the screen.
Battery life	Up to 5 years.
Networking	10M / 100M Ethernet port, TCP/IP protocol to communicate with PC, Device IP settable.
USB Port	USB 2.0 Host, can connect external 8GB pen drive.
Serial Communication port	RS-232 or RS-485 Factory settled.
PC Setup	Yes, with dedicated data acquisition software.
Front Panel setup	Via touch screen and 7 integral keys. All essential functionality available via key pad e.g. RTC set Print time set, program input type, memory store, copy etc.
Stored setups	6
Operating temperature	0 to 55°C
Dimensions	W-288 x H-288 x D-115 mm, Weight 0.7kg Flush Panel Mounting type
Panel cutout	W-257 x H-175 mm
Power Supply	100-260 Vac, 50Hz +/-10%.
Enclosure Safety	IP-65 for Front panel only..
Isolation- Channel to Channel, Channel to earth	Up to 300V RMS AC
Terminal connection	1.5mm sq. detachable terminal strip.