# Multi Channel Data Logger

Available in Panel Mount or Portable

State of the art Data Logging supported with YOKOGAWA Technology

5.7-inch color TFT LCD Screen

Easy Operation

Reliable Data Storage

Multi-Channel

Pressure Ranges up to 100,000 Psi

USB and Ethernet Connections

## Standard Features:

Remote Viewing through the Internet

Multi-Function panel keys

Multiple Pressure Sensor or Temperature Input

Zero button for pressure sensor re-zero

50' cable per pressure sensor

High accuracy up to 0.05% of reading

110 VAC Powered

USB Input (USB Drive Supplied) and Ethernet Port

Message and alarm input and recordings at console

User input settings

Water and Dustproof

Military Grade Connections

PC Viewer Software Supplied for Viewing Data Files, Graphs, and Printing Reports
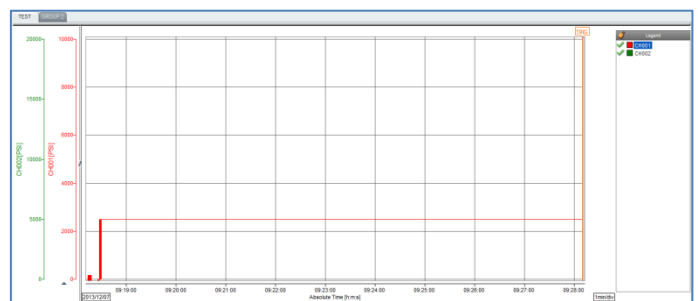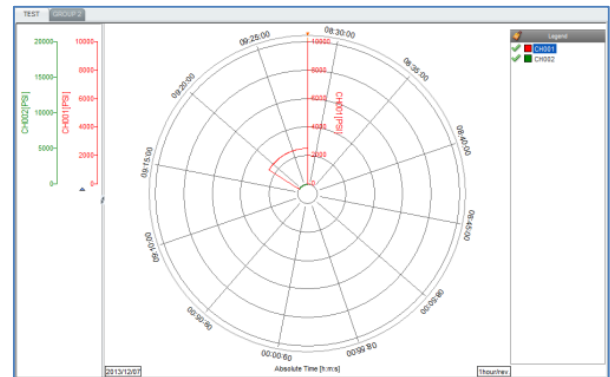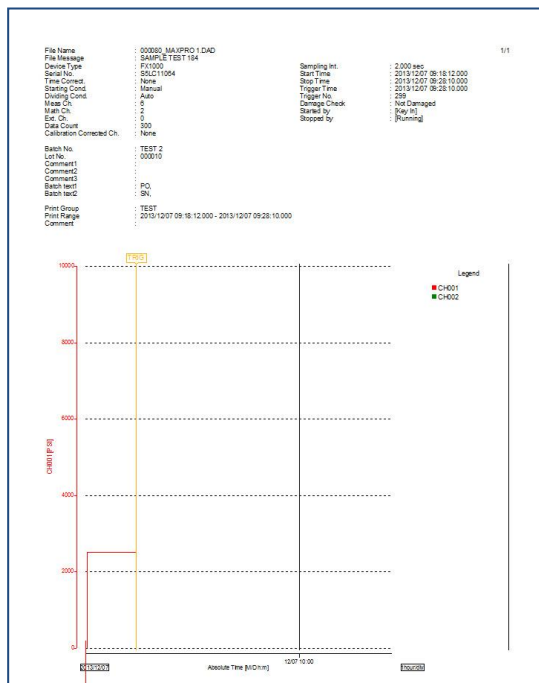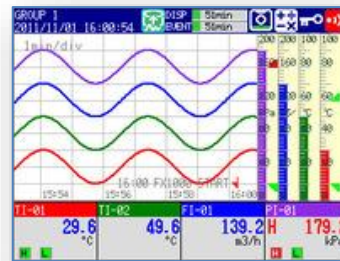
# Data Logger Features:

- <u>**Intuitive display, easy operation**</u>
    - **5.7-inch, high-precision, wide-viewing-angle color TFT LCD**
    - **Many types of displays such as trend, digital, bar graph, overview, alarm, and historical trend**
    - **Remote viewing of the screen through the Internet**
    - **Multi-functional panel keys**
    - **Start/stop recording by batch, and create data files**

- <u>**Comprehensive selection of measurement types, and exceptional performance**</u>
    - **Input types: Pressure Sensor, DCV, TC, RTD, DI**
    - **Scan interval: 1 s, 125 ms (fast sampling)  (Standard Version 1s scan interval)**
    - **Channels: 2, 4, 6, 8, 10, 12  (Standard Version Max 6 channels)**
    - **Measurement accuracy: ±0.05% of reading**
- <u>**Reliable data storage**</u>
    - **Large (400 MB) internal memory**
    - **CF cards up to 2 GB (option)**
    - **USB interface**
    - **Binary data storage**
    - **Network enables data redundancy**
- <u>**Reliable design and construction**</u>
    - **Space-saving design**
    - **Waterproof and dustproof (IP65 compliant)**
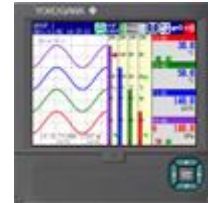
## <u>Optional Features:</u>

- **Additional 6 inputs**
- **Touchscreen**
- **Custom Ethernet Support and Setup**
- **Custom Report Design**

# Intuitive Display, Easy Operation

- 5.7-inch, high-precision, wideviewing-angle color TFT LCD
- Many types of displays such as trend, digital, bar graph, overview, alarm, and historical trend
- Remote viewing of the FX1000 screen through the Internet
- Multi-functional panel keys
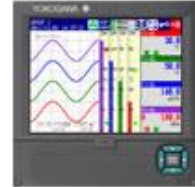


## Monitor display

You can use the keys to switch to any of the operation screens. The operating states of memory sampling, alarms, key lock, computation, and other conditions are graphically displayed. Supports Chinese, English, German, French, and Japanese.
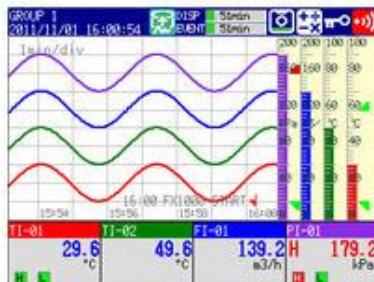


**Trend display**

Displays measured data as waveforms. Displays each channel's scale value, industrial units, user messages, and other information.
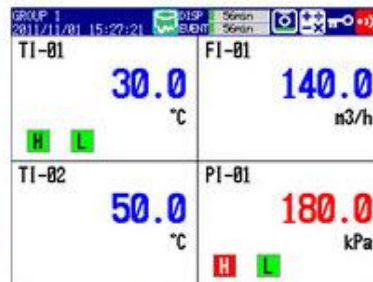


**Digital display**

In addition to displaying measurements digitally, it displays channel/tag, industrial units, and alarm statuses.
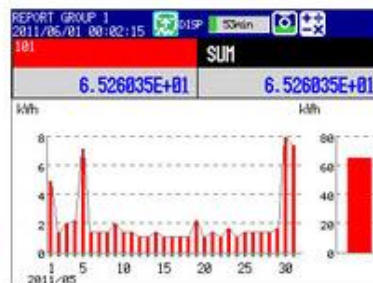


**Overview display**

Displays measurements and alarm statuses on all channels.



**Trend display (log scale)**

You can display log scales for degree of vacuum (pressure input), and record the data (option).



**Stacked bar graph**

You can display and record power consumption of each piece of electronic equipment; useful for energy saving and equipment maintenance as part of environmental protection programs (option).

## Intuitive operator controls

The DISP/ENTER and arrow keys provide display mode and setting menu navigation. Clearly labeled menu, function, and record start/stop keys handle all setting and control operations.
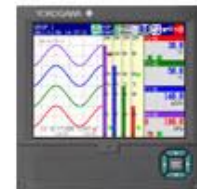
## IE browser monitor screen

FX screen monitoring and operation is made easy via Ethernet.

# Reliable Data Storage

- Large (400 MB) internal memory
- CF cards up to 2 GB (option)
- USB interface (option)
- Binary data storage
- Network enables data redundancy

## High capacity internal memory

Standard 400 MB non-volatile flash memory for secure, long term recording

## Media FIFO function

This function ensures that the CF card always retains the latest data when files are saved to it automatically. When the CF card is full, the oldest files are deleted to make room for the newest files. The media FIFO function allows you to use the FX continuously for long periods of time without having to change the CF card.

Overview of the Media FIFO function
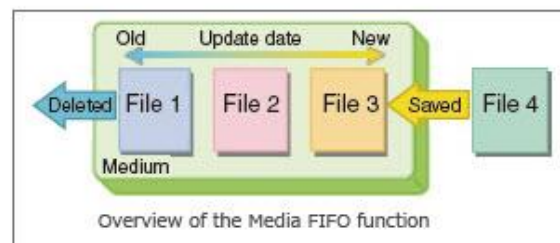
# Ordering Information

Model

| Code | Type |
|---|---|
| HIEFX1000 | Data Logger |

| Code | Display |
|---|---|
| S | Standard 5.7-inch LCD Color Screen (Non Touch) with pushbuttons |
| T | Full 5.7-inch LCD Touch Screen |

| Code | Mounting Style |
|---|---|
| F | Field mount/Panel/Wall |
| P | Portable Case |

| Code | Input 1 |
|---|---|
| -## | (See Table A) |

| Code | Input 2 |
|---|---|
| -## | (See Table A) |

| Code | Input 3 |
|---|---|
| -## | (See Table A) |

| Code | Input 4 |
|---|---|
| -## | (See Table A) |

| Code | Input 5 |
|---|---|
| -## | (See Table A) |

| Code | Input 6 |
|---|---|
| -## | (See Table A) |

OPTIONS:

| Code | |
|---|---|
| /K | External Full Size Keyboard with USB input |
| /C1 | Custom Viewing Software Package |
| /U | Additional 8 GB USB Storage Disk |
| /Add# | Additional input (use if more than 6) Use code from table A in place of "#" for each input |

TABLE A – Input Code

| Code | Input | Code | Input |
|---|---|---|---|
| NN | None | 15 | Pressure Sensor 15000 Psi Max |
| TE | RTD Temperature | 20 | Pressure Sensor 20000 Psi Max |
| 01 | Pressure Sensor 1000 Psi Max | 30 | Pressure Sensor 30000 Psi Max |
| 05 | Pressure Sensor 5000 Psi Max | 50 | Pressure Sensor 75000 Psi Max |
| 10 | Pressure Sensor 10000 Psi Max | 11 | Pressure Sensor 100000 Psi Max |
| | | SS | Special Input (Contact Factory) |