



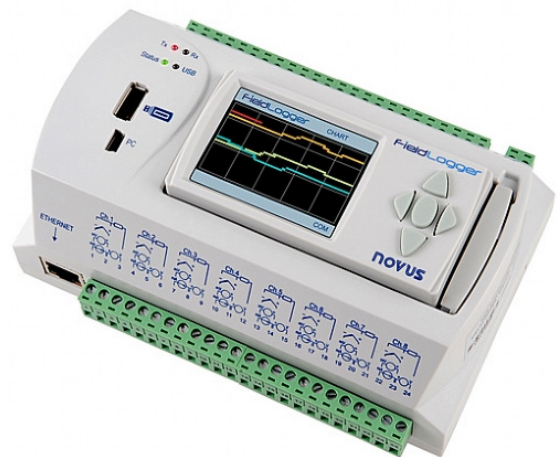
**Question:** I need a low cost, easy to use, Data Logger with internal memory so I don't have to dedicate my computer to it. What do you recommend?

### **The Novus Field Logger**

Take a look...Sometimes you need something easy to set up. You want to be able to just plug it in, and with a minimum of set-up, it will do the job. On the other hand you don't want to be boxed into a corner if something a little more demanding comes along. The Field Logger from Novus just may be your answer. It is easy to set up and has the expansion capability that you may need in the future.

The Field Logger is designed to mainly be an easy to use Data Logger. If you want to program in ladder, or write C programming, the Field Logger is not for you. If on the other hand your time is too valuable to spend hours (or days) on coding – you will like Field Logger. It is easy by design, but has powerful capability. I set up my first application in under an hour.

Field Logger comes equipped with 8 universal analog inputs, plus 8 individually configurable digital I/O and two relay outs. Included are also Ethernet, Modbus (RS-485 and IP) and USB. You can add additional remote I/O up to an additional 64 channels.



Alarms are included. 32 powerful alarms include:

- Activating relays;
- Activating digital outputs;
- E-mails sending to multiple receivers;
- Sending SNMP traps;
- Starting and/or stopping logging.

Built in math capability includes:

- Sum
- Subtraction
- Multiplication
- Division
- Logic (AND, OR and exclusive OR)
- Square Root
- Powers.

A ten point custom linearization is included (for each channel) if you need to match a particular curve (a thermistor for instance).

Using multiple Field Loggers you are virtually unlimited in capability. A 24 volt excitation power supply is also included on 120/240 VAC models.

### **Doesn't tie up your laptop**

For many applications you might like to set up Field Logger and have it take data while you are away. Field Logger can store its data in its internal memory, or a flash drive. With the flash drive,

you can simply unplug the flash drive, add a fresh one, and keep logging. You can also log data on Field Logger's hidden SD card.

You can also connect the Field Logger to your Ethernet network and review or save your data remotely. You can set up Field Logger to send you a message on alarm. Your HMI can read the Filed Loggers data and display it on screen in real time.

**Field Logger's communications capabilities include:**

- RS485 interface (Modbus master or slave).
  - When acting as a master, can read up to 64 registers from other slaves.  
Registers read can be used in logging, alarms or mathematical operations.
- Ethernet interface with a lot of services available:
  - Sends alarm warning e-mails (SMTP);
  - Provides web pages with channels and status information (HTTP);
  - Allows logged data download via FTP (client and server);
  - Accesses status and channel values through network management software (SNMP and traps);
- Allows Modbus communication by Ethernet interface (Modbus TCP).
  - USB-device interface for configuring, monitoring and download.
  - USB-host interface for logged data retrieval through a USB flash drive.

**Built In HMI**

Field Logger's convenient operator interface lets the user know with just a glance what the system is doing. Larger HMI's from other manufacturers which use Modbus serial or Modbus IP may also be employed.

**Remote I/O**

Up to 64 channels of remote I/O can be added with the same capabilities as the internal channels. Pulse counting and high frequency accumulation are available through our remote modules. Other Modbus compatible Input modules may also be used.



Remote modules may be from any vendor using Modbus serial communications. This capability makes it possible to monitor and record almost any kind of data.

**A New Kind of Data Logger**

**Field Logger is a new kind of Data Logger. It provides the convenience of computer compatibility with the ability to log and store data directly in the lab or in the field. Industrially rugged, but compatible with your laptop or network that's what Field Logger is all about.**

**Ordering Information:**

DESCRIPTION	
8-channel Universal Input Field Logger with Math, 512K of Memory, USB, Ethernet, and HMI Display (available in 120/240 VAC or 24 VDC)	\$ 1425.00
2 channel DIN Rail Remote Analog Input Module	\$ 148.00

**More Info:** <http://www.advindsys.com/DataLoggers.htm>

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