

FieldLogger is an analog and digital variables data logger module. It has 8 universal analog inputs and 8 digital I/Os. It can act as a Modbus RTU network master and read registers from other slaves in order to log them into memory or make them available on its other interfaces. Capable of performing mathematical operations on the input channels, it has fast reading and logging rates, a large storage memory, accepts SD card and thumb drive and has a full set of connectivity options.

The full version of **FieldLogger** operating and installation manual, available on the product page, presents to the user all the information necessary for proper use of all features.

UNPACKAGE

When unpacking, besides this Quick Guide, you will also find:

- One **FieldLogger** module;
- One USB cable.

INITIAL CONFIGURATION AND SOFTWARE INSTALLATION

FieldLogger configuration is executed through the Configurator application.

FieldLogger Configurator downloading and running the **FieldLoggerConfigsetup.exe** file available at our website: www.novusautomation.com/en/fieldlogger.

Before connecting the **FieldLogger** to the computer USB port, please install the Configurator application and the USB drivers. In order to make the first configuration, please follow these steps:

1. Unpack the **FieldLogger** and USB cable.
2. Install the Configurator application in the computer (USB communication drivers will be installed as well).
3. Power on the **FieldLogger** and connect it to the computer through the USB cable. In case the drivers have not yet been installed and a window pops up indicating that a new hardware has been found, check in the manual the right proceeding to install it.
4. Run the Configurator application and read the equipment configuration. If it succeeds, you are able to configure and use your **FieldLogger**. On any error, check the manual and follow the hints and instructions given by the Configurator application.

FieldLogger is set with the following factory default configuration:

- RS485 Interface enabled as SLAVE: 19200 bps, no parity, 1 stop bit and Modbus address 1;
- Ethernet Interface disabled;
- Data logging disabled;
- All analog channels disabled;
- All digital channels disabled (all configured as inputs);
- All virtual channels disabled;
- No alarms configured;
- Download via thumb drive disabled;
- HMI access set only for reading.

SPECIFICATIONS

Analog Inputs	8 analog inputs: <ul style="list-style-type: none"> • Thermocouple J, K, T, E, N, R, S and B (IEC-584). • Pt100, Pt1000 (IEC-751), 0-20 mA, 4-20 mA, 0-20 mV, 0-50 mV, 0-60 mV, -20-20 mV, 0-5 V and 0-10V.
Analog Accuracy	<ul style="list-style-type: none"> • Thermocouple J, K, T, E and N: 0.2 % of range ± 1 °C. • Thermocouple R, S and B: 0.2 % of range ± 3 °C. • Pt100, Pt1000, 0-20 mA, 4-20 mA, 0-20 mV, 0-50 mV, 0-60 mV, -20-20 mV, 0-5 V and 0-10 V: 0.15 % of maximum range.
Digital Inputs / Outputs	8 digital channels that can be individually configured as inputs or outputs.
Relay Outputs	2 Relays SPST-NO/NC, 3 A / 250 Vac
RS485 Interface	Can be used as a Modbus RTU slave or master (can read up to 64 slaves).
Ethernet Interface	10/100 Mbps.
Supported Protocols and Services	TCP/IP, DHCP, HTTP, SMTP, SNMP, Modbus RTU, Modbus TCP, FTP server and client.
Internal Memory	2 MB.
SD Card	Up to 16 GB.
Operating Environment	0 to 50 °C. Relative Humidity (Maximum): 80 % up to 30 °C. For temperatures above 30 °C, decrease 3 % per °C. Installation category II. Pollution degree 2. Altitude < 2000 m.
Enclosure	ABS + PC
Dimensions	165 x 117 x 70 mm; Weight: 400 g. (no HMI)
Power Supply	<ul style="list-style-type: none"> • 100 to 240 Vac/dc (50 / 60 Hz) • 24 Vdc/ac (50 / 60 Hz)
Protection	IP20
Configuration Software Operation Environment	Software for <i>Windows® XP, Vista</i> and 7. Menus in Portuguese, Spanish or English.
Certifications	CE, UL and UKCA

Table 01

