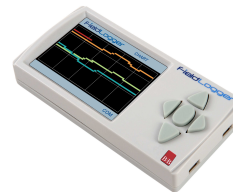


Field Logger with 512k Memory



0568 0041



0568 0041-10

Features

FieldLogger is a versatile, powerful and yet cost effective data logger handling analog, digital and other types of variables with high resolution and speed. It is a high performance and high connectivity equipment and yet easy to configure and operate.

It has 8 configurable analog inputs that can read thermocouples, Pt100, Pt1000, voltage and current signals. It also has 2 relay outputs and 8 digital ports individually configurable as inputs or outputs.

Up to 128 mathematical channels can be used to perform operations on the measured values. Up to 32 alarm events can be detected, allowing output activations, e-mails and SNMP traps sending.

Its RS485 interface can operate as a Modbus RTU master or slave. As a master, it can read and log up to 64 external channels. It has a 10/100 Mbps Ethernet interface that allows access via a browser (HTTP), FTP (client and server), e-mails sending (SMTP), SNMP and Modbus TCP.

The FieldLogger has one USB interface to be connected to a computer (for configuration, monitoring and data download) and another USB port for plugging a flash driver for data retrieval. The 512k logging basic memory is used to store data and it can be greatly expanded with an SD card.

An exclusive color HMI can be optionally attached or remotely installed for local indication or configuration. A user friendly configuration software can be accessed by Ethernet, USB or RS485 and also provides means for on-line monitoring, logged data downloading and exporting to spread sheets and other formats.

Advantages

8 universal analog input channels:

- Thermocouples, V, mV, mA, Pt100 and Pt1000;
- Reading and logging rates of up to 1000/second
- 24 bit A/D conversion resolution..

8 digital I/Os (individually configured as input or output)

2 relay outputs (NO, NC and common)

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 channels 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.

Up to 32 configurable alarms. Alarm actions: for:

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

Up to 128 virtual channels: Basic mathematical functions to be applied on other channels: sum, subtraction, multiplication, division, logic (AND, OR and exclusive OR), square root and power.

24 Vdc output for powering up to eight 4-20 mA transmitters.

- AC power (100 to 240 Vac)
- DC Power (19 to 30 Vdc) optional (2011)

Detachable human-machine interface (optional):

- Keypad and color TFT QVGA display
- RS485 communication with FieldLogger

Loggings:

- Up to 100 channels can be logged at a configurable rate
- Data download through the configuration software or through the freely distributed download DLL.

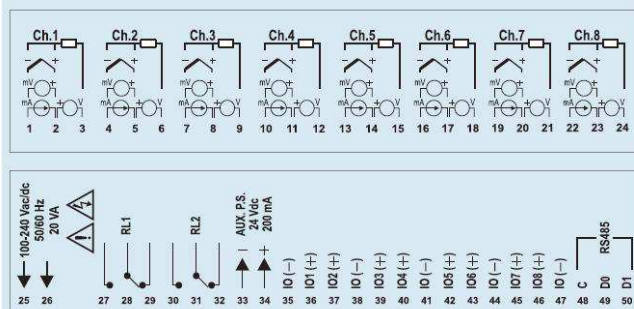
Field Logger mit 512k Speicher



Technical data

Features	
Input:	Thermocouples J, K, T, E, N, R, S and B, Pt100, Pt1000, DC linear scalable
Accuracy :	J, K, T, E, N: 0.2 % of max Ranges $\pm 1^{\circ}\text{C}$ R, S and B: 0.25 % of max Ranges $\pm 3^{\circ}\text{C}$ Pt100, Pt1000 0-20 mA, 4-20 mA, 0-20 mV, 0-50 mV, 0-60 mV, -20-20 mV, 0-5 V, 0-10 V: 0.15 % of max Range
Internal resolution	20,000 Level (>14 Bits)
Memory	512k
Mesuring rate	Von 550 ms to 950 ms
Outputs (ALM1 and ALM2):	2 x SPDT-NA 3 A / 250 V (3 A / 30 VDC)
Electrical Data	
Supply	100 - 230 VAC, 50/60 Hz
Consumption :	max. 8VA
Operating temperature	+5° C to +50° C
Humidity :	Relative Humidity: 80% @ 31°C,
Communication:	RS485 / USB
Mechanik	
Dimensions W x H x T:	162,5 x 117 x 70mm
Material :	ABS
Protection :	IP20

ELECTRICAL CONNECTIONS



Order Infos

FieldLogger 512k	0568 0041	FieldLogger, 512k, 230VAC power supply
HMI	0568 0041-10	Operating interface for 0568 0041
USB – i458 Converter	0568 0040-10	USB Converter to two isolated RS485 Connection
ISO485-2 – RS485 / 232 Converter	0568 0040-11	RS485 / 232 Dual Converter