

## Videographic recorder **FIELD LOGGER USB**

### Technical description

#### Characteristic

- 24 bit A/D conversion resolution (reading and logging rates of up to 1000/second)
- adjustable sampling time 1 ms - 24 hours
- 8 universal analog input channels
- 8 digital I/Os (individually configured as input or output)
- 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
- 2 relay outputs (NO, NC and common)
- up to 32 configurable alarms or sending e-mail alert
- 512 kB internal storage + SD card slot up to 16 GB
- 2 USB slots for data transferred and PC configuration
- additional power source 24 V DC 200 mA
- mounting on the DIN TS-35 rail

#### Input

- thermocouple: J, K, T, E, N, R, S, B (IEC-584)
- Pt100, Pt1000 (IEC-751)
- (0 ÷ 20) mA, (4 ÷ 20) mA, (0 ÷ 20) mV, (0 ÷ 60) mV, (-20 ÷ 20) mV, (0 ÷ 5) V, (0 ÷ 10) V

#### Accuracy

- thermocouple: J, K, T, E, N 0,2% of range ±1 °C
- thermocouple: R, S, B 0,2% of range ±3 °C
- Pt100, Pt1000 0,15% max. of range
- (0 ÷ 20) mA, (4 ÷ 20) mA 0,15% max. of range
- (0 ÷ 20) mV, (0 ÷ 50) mV, (0 ÷ 60) mV, (-20 ÷ 20)mV 0,15% max. of range
- (0 ÷ 5) V, (0 ÷ 10) V 0,15% max. of range

#### Communication interfaces

- USB - data transferring, PC configuration
- slot SD - writing a data on SD card
- RS485 - Modus RTU (Master/Slave)
- Ethernet - TCP/IP, DHCP, HTTP, SMTP, SNMP, Modbus RTU, Modbus TCP, FTP server-client

#### Visualisation

- FieldChart-SCADA: registration and visualization of measurements, export data
- FieldLoggerConfig: diagnostics , configuration, data reading

#### Power source

(100 ÷ 240) V

#### Operating conditions

- temperature: (0 ÷ 55) °C IP20
- humidity: <80% RH without condensation

#### Dimensions [mm]

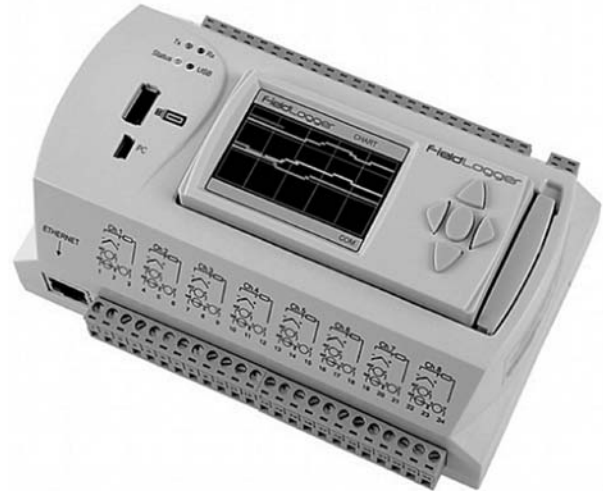
165x117x70

#### Weigth[g]

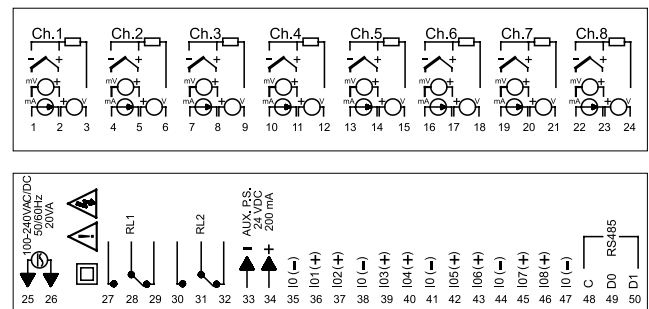
400

#### Additional functions

- RS485/USB converter
- QVGA 2,4" color display (96x48 mm)
- FieldChart 8C, 64C software



Wiring diagram



Videographic recorder **FIELD LOGGER USB** (without display)  
Videographic recorder **FIELD LOGGER USB-LCD** (with LCD display)

### Ordering example