

Loggito technical data

All data overview



| Channel type | 8 AI-RTD | 8 AI | 4 AI-RTD | 4 AI |
|--|---|----------|----------|----------|
| Analog inputs | 8 | 8 | 4 | 4 |
| Appropriate for RTDs | 4 | 0 | 2 | 0 |
| Sensors | mV, mA, thermocouples, RTDs (no RTDs with channel types 8 AI and 4 AI) | | | |
| Total sampling rate | 0.1 Hz .. 500 Hz | | | |
| Voltage measurement range | ±78 mV .. ±10 V | | | |
| Current measuring range | 0 .. 20 mA / 4 .. 20 mA / ±20 mA / any (with freely selectable external shunts) | | | |
| Resistance measurement range | 0 .. 49 kΩ | | | |
| Resolution/Type ADC | 24 bit Sigma-Delta | | | |
| Input impedance | > 5 GΩ | | | |
| Dielectric withstand voltage (tolerable overvoltage) | ±24 VDC | | | |
| Max. differential voltage channel to channel | ±24 VDC | | | |
| Galvanic isolation against FE | ±400 VDC | | | |
| Precision of current and voltage measurement | 0.01% from upper range value | | | |
| Precision resistance measurement | 0.01% from upper range value (4-wire connection), 0.1% from upper range value (3-wire connection after additional offset determination) | | | |
| RTD precision | 0.1 K (4-wire connection), 1 K (3-wire connection) | | | |

| | | | |
|--|--|-------------------------|--------------------|
| Thermocouples precision | < 1.5 K (internal reference junction) after compensation | | |
| Digital inputs or rather Digital / PWM outputs (switchable) | 2 | 2 | 2 |
| Input signal | low: 0 .. 1 V / high: 3,6 .. 100 VDC@3,5 mA | | |
| Frequency measuring range | input 0.2 Hz .. 500 Hz | | |
| Counter width | 64 bit | | |
| Max. switching voltage / current | 50 V / 2.5 A for 2 seconds, 250 mA continuous current | | |
| PWM basic frequency / duty cycle | 100 Hz / 1:20 | | |
| Galvanic isolation | ±400 VDC against FE / other channel groups | | |
| Modul type | Loggito Logger | | Loggito USB |
| Interfaces | | | |
| LAN | 100 Base-Tx | | - |
| WLAN | 802.11b/g/n, max. 72 MBit/s (optional) | | - |
| USB device socket | - mini | 2.0 low/full/high speed | 2.0 low/full speed |
| USB host socket | - type A | 2.0 low/full/high speed | - |
| Protocols | | | |
| TCP/IP | Modbus TCP server & client, OPC UA client, OPC UA server | | - |
| Data storage | | | |
| Internal | 4 / 8 GB (approx. 30 million measurement values per GB) | | - |
| External | USB, NFS, CIFS, (S)FTP | | - |
| General technical information | | | |

| | | | |
|----------------------|--|---------------|--------------------------|
| Dimensions | approx. L 95 mm x W 67 mm x H 65 mm | | |
| Weight | approx. 220 g | approx. 170 g | |
| Fixing | mounting rail DIN EN 60715 or screw mounting horizontally / vertically or upwards | | |
| Connecting terminals | plug-in spring terminals, max. 24 terminals in 2 rows, conductor cross-section (rigid / flexible) 0.2 .. 2.5 mm ² , ferrule 0.25 .. 1.5 mm ² | | |
| Temperature range | -20 .. 60° C | | |
| Humidity | max. 90 % relative humidity, non-condensing | | |
| Supply voltage | 12 .. 24 VDC / ±10 % | 5 VDC | (via mini USB connector) |
| Power input | max. 7.5 watts | max. 2.5 watt | |