

Multilogger - thermo hygro meter with 2 MiniDIN and 2 Thermocouple inputs

code: M1220



Universal datalogger with 4 inputs. Two inputs for temperature-humidity probes and two inputs for thermocouples K, J, S, B, T, N.

Multilogger can be installed permanently to Ethernet network or work as portable device.

Included is traceable calibration certificate in accordance with EN ISO/IEC17025.

The Multilogger is a battery operated datalogger capable of measuring and recording sensor and electrical values through its Inputs.

Data logger can be connected to Ethernet. Then measured values can be viewed on a web browser, as well as stored and downloaded for later analysis.

Technical data

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| TEMPERATURE SENSOR - external probe Pt1000 | |
| Measuring range | -200 to +600 °C |
| Accuracy | ±0.2 °C (-200 to +100 °C); ±0.2 % from reading from +100 to +600 °C |
| Resolution | 0.1 °C |
| TEMPERATURE+HUMIDITY SENSOR - external probe T+RH DIGI | |
| Measuring range | according to the connected probe Digi/M |
| Accuracy | according to the connected probe Digi/M |
| Resolution | 0.1 °C |
| DEW POINT | |
| Measuring range | according to the connected probe Digi/M |
| Accuracy | according to the connected probe Digi/M |
| Resolution | 0.1 °C |
| TEMPERATURE SENSOR - thermocouple K, N | |
| Measuring range | -200 to +1300 °C |
| Accuracy | ± 0,3 % from the measured value + 1,5 °C |
| Resolution | 0.1 °C |
| TEMPERATURE SENSOR - thermocouple J | |
| Measuring range | -200 to +750 °C |
| Accuracy | ± 0,3 % from the measured value + 1,5 °C |
| Resolution | 0.1 °C |
| TEMPERATURE SENSOR - thermocouple S | |
| Measuring range | 0 to +1700 °C |
| Accuracy | ± 0,3 % from the measured value + 1,5 °C |
| Resolution | 0.1 °C |

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| TEMPERATURE SENSOR - thermocouple B | |
| Measuring range | 100 to +1800 °C |
| Accuracy | ± 0,3 % from the measured value + 1 °C in the range +300 to +1800 °C |
| Resolution | 0.1 °C |
| TEMPERATURE SENSOR - thermocouple T | |
| Measuring range | -200 to +400 °C |
| Accuracy | ± 0,3 % from the measured value + 1,5 °C |
| Resolution | 0.1 °C |
| DC VOLTAGE | |
| Measuring range | -60 to +140 mV; -18 to +18 mV |
| Accuracy | ±100 µV; ±20 µV |
| Resolution | 0,1 µV |
| GENERAL TECHNICAL DATA | |
| Operating temperature | -10 to +60 °C |
| Channels | 4x external temperature probe |
| Counted values | dew point, absolute humidity, specific humidity, mixing ratio, specific enthalpy |
| Memory | 1 000 000 values (noncyclic record), 600 000 values (cyclic record) |
| Recording interval | 1s to 24 hours |
| Display and alarm refresh | each 10 s |
| Recording mode | noncyclic - data logging stops after filling the memory cyclic - after filling memory oldest data is overwritten by new |
| Available temperature units | degrees Celsius, degrees Fahrenheit |
| Communication interface | Ethernet, USB, RS232 |
| Ethernet communication protocols | WWW, SNMPv1, XML, DATALINK |
| Alarm protocols | E-Mail |
| Power | AC adapter 230Vac/5Vdc (necessary for Ethernet interface) |
| Battery life | 3 - 4 weeks |
| Protection class | IP20 |
| Dimensions (without connectors) | 178 x 95 x 37mm, without attached cables |
| Weight (including batteries) | approx. 380 g |
| Warranty | 3 years |