

## GSM temperature datalogger for two external probes and two two-state inputs with modem - kopie

☐☐: U0843G



4G Datalogger is designed to record from two external temperature probes and two two-state inputs. In case of exceeded set limits, SMS and JSON messages can be sent via GPRS data connection. Measured values can be sent to the internet storage [COMET Cloud](#), which is a complete monitoring, alarm and analysis system.

It is also possible to set the regular sending of JSON messages to COMET Database, the sending interval is adjustable. Alarms are also indicated locally by LED, LCD and acoustically by built-in beeper.

The recording is performed in a non-volatile electronic memory. The data can be transferred to a PC via included USB-C cable.

The device **includes Traceable calibration certificate** with declared metrological traceability of etalons is based on requirements of **EN ISO/IEC 17025 standard**.

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| Temperature Measuring Range                                                                       | -200 to +260 °C                                                                                                                                                                                                          |
| Accuracy of temperature measurement                                                               | ±0.2°C; ±0,2 % of the measurement value in a range of +100 to +260 °C                                                                                                                                                    |
| Resolution of the reading                                                                         | 0.1°C                                                                                                                                                                                                                    |
| Response time t90 of temperature measurement (temperature step 20°C, air flow approximately 1m/s) | According to the connected probe                                                                                                                                                                                         |
| Parameters of the voltage contact                                                                 | „L“ level input voltage:< 0,4 V(*); „H“ level input voltage:> 2 V;Minimum voltage applicable:0 V; Maximum voltage applicable:+30 V DC                                                                                    |
| Parameters of the voltage-free contact                                                            | Contact resistance in „switched-on“ state:< 10 k?;Contact resistance in the „switched-off“ state:> 300 k?; Contact voltage in the „switched-off“ state:ca 3 V;Minimum state duration necessary for latching the state:1s |
| Real time clock                                                                                   | Year, leap year, month, day, hour, minute, second                                                                                                                                                                        |
| Data logging interval                                                                             | Adjustable from 1s to 24h                                                                                                                                                                                                |
| Display and alarm refresh                                                                         | Adjustable 1 s, 10s, 1min                                                                                                                                                                                                |
| Total memory capacity                                                                             | 500 000 values in noncyclic logging mode, 350 000 values in cyclic record mode                                                                                                                                           |
| Data logging mode                                                                                 | Noncyclic - data logging stops after filling the memory, cyclic - after filling memory oldest data is overwritten by new                                                                                                 |
| Power                                                                                             | Battery SONY Lilon 5200mAh)                                                                                                                                                                                              |
| IP protection                                                                                     | IP20                                                                                                                                                                                                                     |
| Dimensions                                                                                        | 61x93x53, with antenna 120x93x53                                                                                                                                                                                         |
| Weight including battery                                                                          | 270 g                                                                                                                                                                                                                    |
| Warranty                                                                                          | 3 years                                                                                                                                                                                                                  |