

GSM temperature, humidity, CO2 and atmospheric pressure datalogger with built-in sensors and modem

□□: U4440M



GSM datalogger is designed to record temperature, humidity, atmospheric pressure and CO2. 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.

GSM recorder **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 SENSOR | |
| Measuring range | -20 to +60 °C |
| Accuracy | ±0.4 °C |
| Resolution | 0.1 °C |
| HUMIDITY SENSOR | |
| Measuring range | 0 to 100 % RH |
| Accuracy | ± 1.8 % RH |
| Resolution | 0.1% RH |
| DEW POINT | |
| Measuring range | -90 to +60 °C |
| Accuracy | ±1.5 °C at ambient temperature T <25 °C and RH >30 % |
| Resolution | 0.1 °C |
| CO2 SENSOR | |
| Measuring range | 0 to 5000 ppm |
| Accuracy | ±(50ppm +3% from reading) at 25°C and 1013hPa |
| Resolution | 1 ppm |
| ATMOSPHERIC PRESSURE SENSOR SENSOR | |
| Measuring range | 600 to 1100 hPa |
| Accuracy | ±1.3 hPa at 23 °C from 800 to 1100 hPa |
| Resolution | 0.1 hPa |
| GENERAL TECHNICAL DATA | |
| Operating temperature | -20 to +60 °C |
| Channels | internal sensor for temperature, humidity, CO ₂ and atmospheric pressure |
| Memory | 500,000 values in noncyclic logging mode; 350,000 values in cyclic record mode |

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| Recording interval | adjustable from 1 s to 24 h |
| Display and alarm refresh | adjustable 1 s, 10 s, 1 min |
| Recording mode | noncyclic - data logging stops after filling the memory cyclic - after filling memory oldest data is overwritten by new |
| Real time clock | year, leap year, month, day, hour, minute, second |
| Power | battery SONY Lilon 5200mAh |
| Protection class | IP20 |
| Dimensions | 61 x 93 x 53 mm, with antenna 120 x 93 x 53 mm |
| Weight (including batteries) | approx. 250 g |
| Warranty | 3 years |