

GSM temperature and humidity data logger with built-in sensors and modem

code: U3120M



GSM datalogger is designed to record temperature and humidity humidity. In case of exceeded set limits, SMS and JSON messages can be sent via GPRS data connection. It is possible to set the regular sending of JSON messages to Comet Database, the sending interval is adjustable. The recording is performed in a non-volatile electronic memory. The data can be transferred to a PC via USB-C.

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

Included in delivery:

- U3120M
- USB-C cable
- Power supply
- Manual
- [Traceable calibration certificate](#)
- Technical support at [discussion forum](#)
- [FREE analytical software COMET Vision](#)

Technical data

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
GENERAL TECHNICAL DATA	
Operating temperature	-20 to +60 °C
Channels	internal temperature and humidity sensor
Memory	500,000 values in noncyclic logging mode; 350,000 values in cyclic record mode
Recording interval	adjustable from 10 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	IP67
Dimensions	61 x 93 x 53 mm, with antenna 120 x 93 x 53 mm
Weight (including batteries)	approx. 260 g
Warranty	3 years