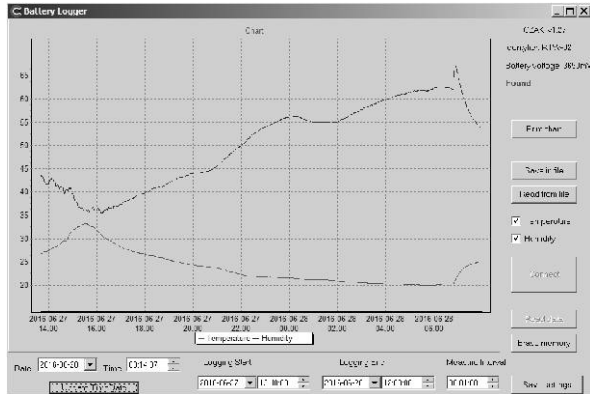


## DATA LOGGERS

**type RT-01 ambient temperature logger**

**type RTW-02 ambient temperature and humidity logger**



- internal non-volatile memory for over 200 000 measurements
- lithium battery for more than **five years** of continuous operation
- temperature measurement range **-55°C... +85°C**
- humidity measurement range **0...100% RH**
- configuration and data read from the memory via USB
- graphical representation of the temperature and humidity
- print graph and detailed report
- check the battery status



Battery loggers type RT-01 and the RTW-02 are microprocessor-based devices enabling the registration of temperature (type RT-01) or the temperature and humidity (type RTW-02). Loggers are fully standalone devices. They are equipped with sensors, their own non-volatile memory with control system and their own power source in the form of a lithium battery. The logger can store over 200,000 measurements. When recording measurements once every quarter of an hour, registered data can be stored for almost 6 years. Stored data is protected from modification or falsification. Temperature or temperature and humidity are recorded with the current date and time. Communication with a PC is via USB. An integral part of the logger is software running on Windows®. It allows full configuration of the device and visualization of data stored on a computer monitor or printer. The format of stored data allows importation by popular programs such as MS Excel. Each record contains the temperature or temperature and humidity value, and the date and time of measurement.

The latest version of the software can be downloaded free of charge from [www.czaki.pl](http://www.czaki.pl).

An example of the use of temperature recorders is the transport and preservation of food and drugs, vaccines, blood products and other deep-frozen products, where there is an obligation to document the conditions of production, storage and transport.

### TECHNICAL DATA

Temperature measurement range	RT-01	-55°C... +85°C
	RTW-02	-40°C... +85°C
Temperature measurement accuracy	RT-01	± 0,5°C (-10°C... +85°C); ± 2,0°C (-55°C...-10°C)
	RTW-02	± 0,4°C (5°C...40°C); ± 1,5°C (-40°C... +5°C) and (40°C... +85°C)
Humidity measurement range	RTW-02	0...100% RH
Humidity measurement accuracy	RTW-02	± 2%RH (10...90%); ± 4%RH (0...10%) and (90...100%)
Resolution		0,1°C; 0,1%RH
Measurement repetition time		from 10 seconds to 24 hours, programmable
Memory type / size		internal, non-volatile / 204800 measurements
Power supply		soldered lithium battery 3,6 V AA size
Dimensions / weight		70 x 71 x 27 mm / ca. 60 g
Interface / connector for communication with PC		USB / USB-B4 socket
Ingress protection		IP20

**Example for order:** RT-01 means the ambient temperature logger  
 RTW-02 means the ambient temperature and humidity logger