



# Environmental Measuring Systems

Turistická 5, 621 00 BRNO, Czech Republic, [www.emsbrno.cz](http://www.emsbrno.cz)

## Datalogger Minikin ERi



### Main features:

- One channel event recorder
- Writes time and date of an event to the memory
- One second resolution
- Contact closure input is ready for easy connection to any tipping bucket rain gauge
- Daily automatic self checking
- Watertight case
- Windows® software supports easy averaging of pulse numbers in chosen time period



### Brief specification:

- 128 kByte non-volatile memory
- 18,000 time records
- Input signal – contact closure
- Battery capacity more than 5 years
- Fully watertight – IP 68 rating
- High density Polyethylene case
- Size D22 x 102 mm (without cable)

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## Datalogger Minikin ERi

Event recorder unlike the common dataloggers does not count the number of pulses within given time interval but it stores the exact time of pulse occurrence. This datalogger is designed mainly for registration of output from tipping bucket raingauges with contact closure output signal.

The datalogger firmware checks each midnight the system operation and stores the result in the data memory. Therefore, the user is sure about the data reliability (in case of long period without rain for instance, when might be some doubts about the proper operation). When a problem appears in a certain day due to lack of power supply (low battery voltage) or as a result of hardware failure, user's attention is pointed to this day during the data conversion.

### Specification:

Sensors to be connected	tipping bucket raingauge – contact
Measured values	time of event occurrence – contact closure
Resolution	1 sec
Data memory	
- size	128 kByte
- number of stored time points	ca 18,000
Accuracy of internal clock	±1 minute per month (-10 to 40 deg.C)
Power supply	Lithium battery 3.6V, 900 mAh
Power consumption	
- idle	0.02 mA
- close contact – operating	30 mA
Battery life	several years
IP rating	68
Size	D 22 x 101mm
Weight	38 g (without cable)

**Software:** : Mini32 universal software is running under Windows® 95, 98, 2000, NT, XP, Vista, 7, 8. The software assures all necessary operations – system setup, data saving, data processing. It includes the basic statistic features, creates and prints graphs and exports data into different file formats.

**Two-year full warranty.**