



NAVIS

# Long range wireless rain meter / logger

RL 10



## FEATURES

- displays rainfall and store data to SD card
- long range – up to 400 m  
(up to 3 km with yagi antennas)
- up to 5 years transmitter battery life  
(user replaceable)
- portable receiver unit
- suitable for any tipping-bucket rain gauge
- graphical display

## FUNCTIONS

### It shows:

- total rainfall since reset
- hourly rainfall for last 24 hours
- daily rainfall for last 7 days
- weekly rainfall for last 6 weeks
- monthly rainfall for last 12 months
- weekly rainfall graph

### It store to SD card:

- rainfall record within selected time interval (1min, 10min or 1h), event mode
- each data has date and time stamp

range up to  
400 m



RL10 wireless rain logger is designed for remote metering and logging of the rainfall. It can be used with any standard tipping-bucket rain gauge with a reed switch output. It consists from transmitter on which the tipping bucket connects and receiver with large graphical LCD display. Transmitter counts tips and transmit data to the receiver where they are processed, displayed and stored to memory card. Beside storing data to memory card receiver also calculate and shows hourly, daily, weekly and monthly rainfall data. Data are recorded in .txt format, with a real time stamp that can be viewed as tabular data or exported into spreadsheets to produce detailed graphs and further data analysis.



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## RAINFALL HISTORY DISPLAYS

### TECHNICAL DATA

#### Logging

**logging interval:** selectable - 1 min, 10 min, 60 min, event

**data format:** .txt

**data recording:** up to 12 months, .txt format

**memory card:** micro SD, 2Gb (included)

#### Transmitter

**communication frequency :** 868 Mhz

**data transmitting:** every 5 seconds

**range:** up to 150 m visible distance  
up to 400 m visible distance  
(with optional external antenna)

**protection:** Ip67

**Tipping bucket gauge:** 0,1 ... 1,00 mm/tip in 0,01 steps

**Units:** mm, inch

**Battery, transmitter:** 1 x 3,6 V AA Lithium battery (included)

**Battery, receiver:** 2 x 1,5 V AA Lithium battery (not included)

**Battery life, transmitter:** up to 5 years

**Battery life, receiver:** up to 12 month

**Temperature range of operation:** -30 ... +60 °C

**Material:** transmitter AL, PVC  
receiver ABS

**Dimension, transmitter:** ø 25/30 mm x 200 mm

**Dimension, receiver:** 94 x 63 x 23 mm

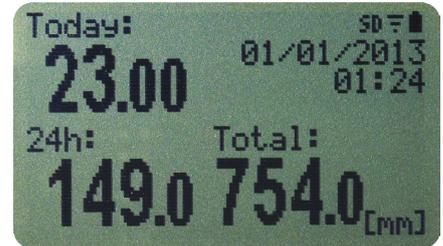
**Mounting:** sensors mounts on ø 20 mm pipe

**Accessories:** IP 65 housing for receiver  
external antenna  
additional micro SD card  
USB/SD converter

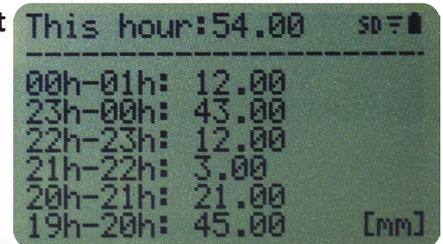
Tipping-bucket rain gauges  
(SOLD SEPARATELY)



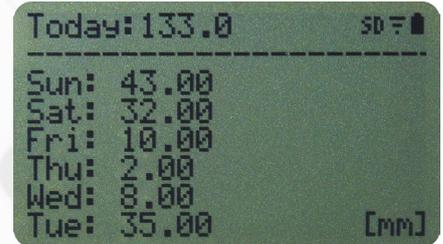
#### 1. page



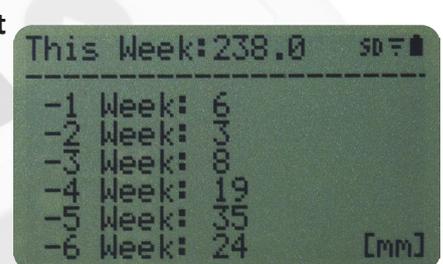
#### hourly, for last 24 hours



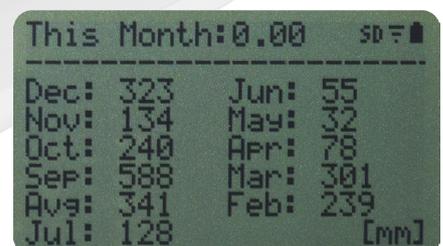
#### daily, for last 7 days



#### weekly, for last 6 weeks



#### monthly, for 12 months



#### weekly graph

