

Long range wireless rain meter / logger

KkOO



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



JRL-L400 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.

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

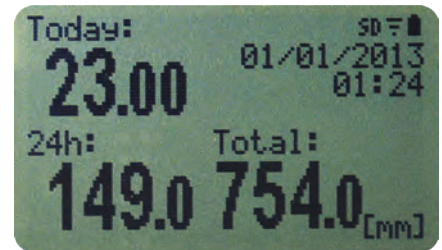
Dimension, receiver: 94 x 63 x 23 mm

Mounting: sensors mounts on ø 20 mm pipe

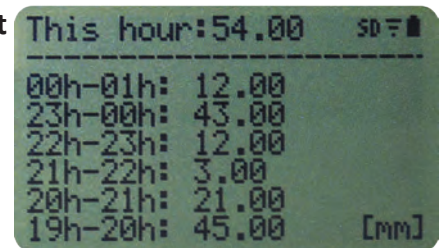
Accessories: IP 65 housing for receiver
 external antenna
 additional micro SD card
 USB/SD converter



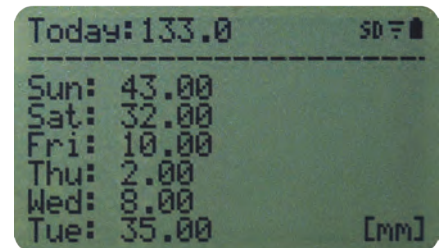
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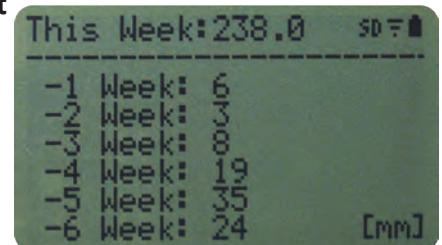
hourly, for last 24 hours



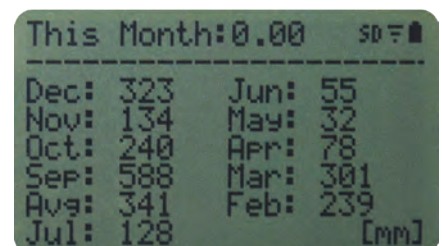
daily, for last 7 days



weekly, for last 6 weeks



monthly, for 12 months



weekly graph

