

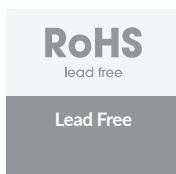
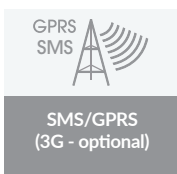
MacR6 N

Water flow and pressure data logger with GSM/GPRS



Benefits of use

- Online access to water flow and pressure monitoring, what gives the possibility of balancing the water supply system
- Detection of anomalies in the water supply system (increments/ drops of pressure, leaks) and reporting with use of email/sms/eWebtel Internet platform
- Archival data of the pressure and amount of water consumption
- Installation on water meters of leading manufacturers
- Direct installation or connection by a pulse transmitter
- Possibility to work on customers' servers
- Cooperation with 2 water meters
- Internal device sensors: disassembly, displacement, casing intrusion, flooding pit, magnetic interference
- Logging of reverse flows
- Stationary or remote device reconfiguration





Basing on our knowledge and experience we developed a solution to optimally manage the process of water distribution for commercial and home users.

The MacR6 N is a compact solution for logging the water flow using the GSM infrastructure. The case is resistant to flooding and mechanical damage. The module offers direct inductive coupling cooperating with water meters of leading manufacturers. The MacR6 N is supported by cloud computing software and mobile apps.

Technical data

Power supply	3.6 V lithium-thionyl chloride (Li-SOCl ₂) high current, D-size spiral cell (complies with IEC 60086-1 standards), capacity: 14 Ah. Battery life - 7 years typical for one per day report.
Ingress Protection Rating	IP 68 (complies with EN 60529 standard)
Ambient operation temperature	-25 st.C/ -13 st.F to +50 st.C/ 122 st.F
Dimensions (HxWxD)	109,3 mm x 109,02 mm x 44,7 mm
Inputs	- 3 inductive sensor for direct instalation - electrical (pulse) - for pressure sensor (0-10 bar, 0 st.C/ 32 st.F to +30 st.C/ 86 st.F) option 1: two pressure sensors option 2: 0-25 bar pressure sensor
Data registration period	From 1 to 60 minutes
Reporting frequency	Configurable, from N-times per day and immediately after alarm
Data transmission	Direct data read-out by mobile device with NFC Built-in dual-band 2G GSM module, optional - 3G TCP, UDP, HTTP, FTP, SMS protocols support.
Clock synchronization	By NTP/ GSM

MacR6 N features

- Battery and sim card replacement without loss of IP68
- Easy installation and configuration
- Cooperation with various IT solutions such as internal billing systems
- Internal device sensors: disassembly, displacement, casing intrusion, flooding pit, magnetic interference
- No need to change data logger with water meter after the legalization period, for example
- Cooperation with 2 water meters
- Does not overlap water meter counter
- Geolocation function
- Direct access to water consumption profile by eWebtel.com platform

Configurable alarms

- Exceeding maximum water flow
- Exceeding top and lower water pressure range limit
- Device movement detection (water meter dissassembly)
- Magnetic interference
- Leak detection - based on special algorithm
- Flooding the water meter pitj
- Low battery
- Casing opening
- No GSM network coverage





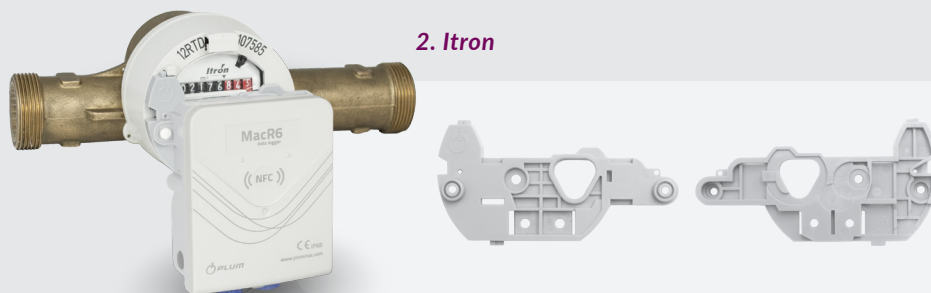
Compatibility

The device can be equipped with a set of adapters of our own production which does not overlap water meter counter. Adapters correspond to leading manufacturers of water meters (Diehl, Itron, Maddalena, Sensus, Zenner).

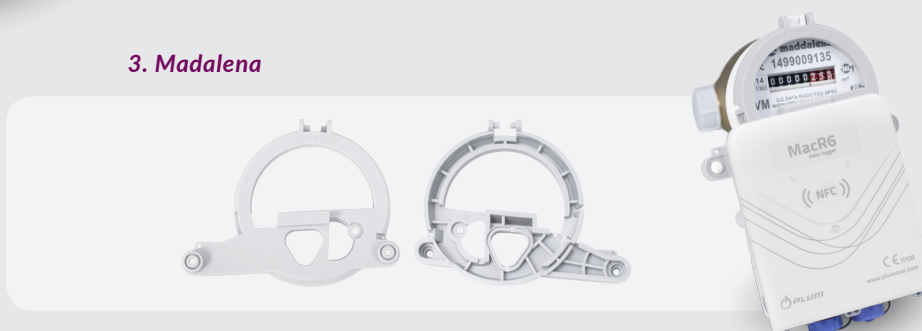
1. Diehl



2. Itron



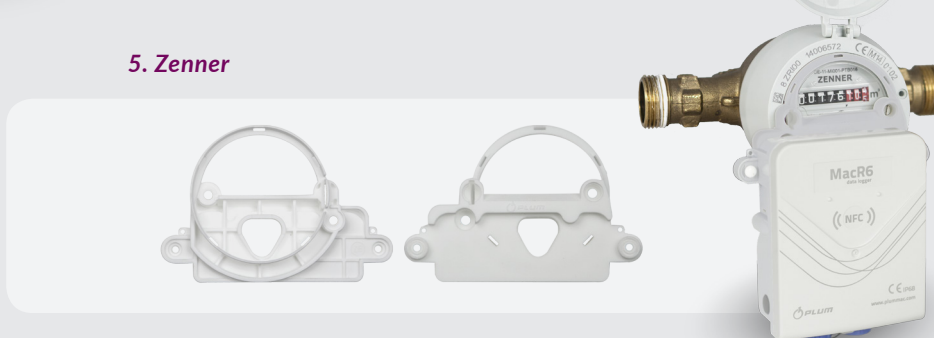
3. Madalena



4. Sensus

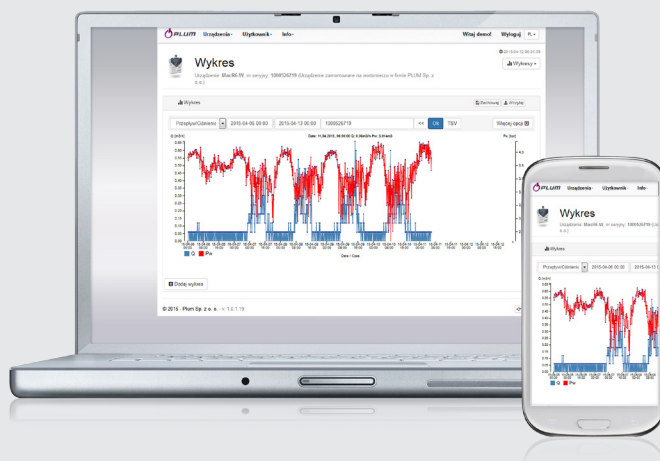


5. Zenner





www.eWebtel.com



The eWebTEL system is a data acquisition application operating both on the internet and a dedicated private network. The eWebTEL is designed to handle billing, monitor network parameters and evaluation of measuring devices selection. Visualizes data from flow meters and sensors eg. pressure, temperature. Data is presented in the form of functional diagrams and tables. Generated reports concern:

- Monthly medium consumption for each customer or customer group
- Alarm events and their duration
- Consumption history for each customer or customer group



Data loggers Configurator NFC



The application designed for mobile android with NFC communication -operated devices. It is available for free download from the Google play service.



 Google Play

November 2017

