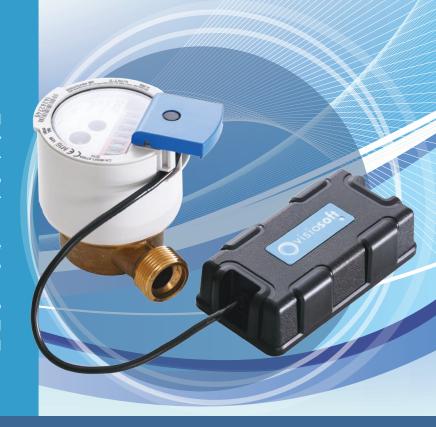# VisioUtil

VisioUtil is an application ready Sigfox enabled transceiver allowing to transmit data from utility meters (water, gas, electricity & heat meter compliant). VisioUtil provides connection to national and global network infrastructure for reliable and secure communications.

The configuration of the transceiver can be done via the product or network allowing the choice of periodicity, pulse, weight, data encryption. VisioUtil further provides a downlink function to the device for switching functionality. Powered through a Li-SOCL2 battery, it allows standard autonomy up to 10 years.

HIGHLIGHTS

- Meter data through Sigfox compliant radio networks
- Utility Meter Support (water, gas, electricity & heat meter compliant)
- Supports various meter reading interface standards
- Long range connectivity
- Low Cost Low power design with up to 10+ year autonomy

PERFORMANCES

RF power: *14dBm (25mW)*

RF sensitivity: *up to -127dBm*

Interfaces: *Pulse, Eco and Serial*

FIRMWARE

SIGFOX network protocol

Transmission cycles: *2, 50, 100 or 140 update links per day*

Data encryption: *AES128 (Optional)*

SOFTWARE & DATA MANAGEMENT

Data from the device, transmitted via the Sigfox cloud infrastructure to the back-end server platform with build in device support can be provided or easily integrate the device into your own platform.

COMPATIBILITY

Water, Gas, Electricity and Heat meters

REFERENCES

VisioUtil Hardware Manual

PERIPHERAL OPTIONS

- Temperature / Humidity sensor
- Ambient light sensor
- Quality of air sensor
- Digital and Analog IO
- Bluetooth (BLE)
- GPS
- Accelerometer

GENERAL INFORMATION

Operating temperature: *-20 °C / +65 °C*

Mounting Options: *Screws, rivets, tie-wraps and 2-sided tape*

Dimensions: *110 x 58 x 30 mm*

Weight: *100 grams*

Housing: *Ip67*

Antenna: *All Integrated (Internal)*

Standards: *EN 300-220, EN 301-489, EN 60950, ICASA; CE*

SUPPORT

The device is available for RC1 (Europe, Middle East & South Africa)

WARNINGS

- Battery end of life
- Over Temperature
- Tamper Detect

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