

VisioThermo

Temperature / Humidity

VisioThermo is an application ready Sigfox enabled transceiver allowing to transmit and manage Temperature and Humidity sensor data. VisioThermo 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, alerting and data encryption. VisioThermo further supports a downlink function to the device for switching functionality. Powered through a Li-SOCL2 battery, it allows standard autonomy up to 10 years.



HIGHLIGHTS

- Temperature & Humidity data through Sigfox compliant radio networks
- Perfect for Cold Chain Applications
- Accurate Readings for both Temperature and Humidity
- 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: Temperature Probe only & internal Temperature and Humidity

TYPICAL APPLICATIONS

- Cold Chain Management
- Smart City and Buildings
- Smart Agriculture

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.

REFERENCES

VisioThermo Hardware Manual

WARNINGS

- Battery end of life
- Over Temperature
- Tamper Detect (Optional)

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

PERIPHERAL OPTIONS

- GPS (Contact OEM)
- Bluetooth (BLE) (Contact OEM)

SUPPORT

The device is available for RC1 (Europe, Middle East & South Africa) All other zones will be supported soon.



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