

# VisioThermo

## Air Quality Sensor

VisioThermo is an application ready Sigfox enabled transceiver allowing to transmit and manage Air Quality 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 & CO2 data through Sigfox compliant radio networks
- Perfect for Smart Building applications
- Accurate Readings via quality probes
- Long range connectivity
- Low Cost Low power design with up to 10+ year autonomy

### PERFORMANCES

**RF power:** 14dBm (25mW)

**RF sensitivity:** up to -127dBm

### 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 built in device support can be provided or easily integrate the device into your own platform.

### 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

### WARNINGS

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

### PERIPHERAL OPTIONS

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

### TYPICAL APPLICATIONS

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

### REFERENCES

VisioThermo Hardware Manual

### SUPPORT

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



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