

# MOBEYE SISTM R2

## Standard Industrial Sensor Transmitter Module

Sensor values

0 – 1 V

0 – 10 V

4-20 mA

PT1000

pulses



## Log, Alarm and Report of industrial sensor values

Mobeye SISTM is meant for measuring the standard industrial sensors. By connecting sensors to the inputs and by setting limit values, alarm messages will be sent per call, mail and/or SMS text message. At a user-defined interval, the sensor values are logged.

The Mobeye SISTM CML2015 is a 2-channel module. The inputs are programmable for different types of sensors. The system can run completely autonomously being battery operated or be powered by a 6-24VDC source. The built-in communication module transmits alarm messages and log values via the mobile network.

### Reading out sensors

The Mobeye SISTM is capable of reading almost any analog sensor. The sensor output can be a signal between 0 and 1V, 0 and 10 V or 4 to 20mA value. The inputs of the Mobeye SISTM are also suitable for PT1000 sensors and potential-free contacts. In addition, the inputs can be used as a pulse counter.

### The power supply of the sensors

The Mobeye SISTM makes measuring and reporting of sensor values completely independent of the external infrastructure. Both the transmitter module itself and the sensors may operate fully battery-powered. The sensors are powered by the unit with 5V or 15V via the low power sample mode, which guarantees a long battery life. Alternatively, an external source is connected and the sensors have their own power supply.

**Measuring without external power source.**


**Mobeye SISTM. Anywhere, anytime.**

## Mobeye Internet Portal


Mobeye SISTM is able to log the values and to transmit them to the Mobeye Internet Portal via the built-in GSM module. A Mobeye a SIM card and registration in the Internet portal offers the full functionality:

- logging of values (user-defined intervals)
- programming via portal
- forwarding of messages to 'alarm contacts' and 'technical contacts' (call/SMS/e-mail)
- monitoring of 'keep alive' (test) messages


**MOBEYE SISTM**



GSM notification of exceeding sensor values.



Logging of values, sync with web portal.



Fully battery-operated or externally powered.

Mobeye SISTM Technical details	
<b>Features</b>	<ul style="list-style-type: none"> <li>• logging of values</li> <li>• (instant) alarm and alarm restore on the actual values by SMS, call and e-mail</li> <li>• power failure and power restore by SMS, call and e-mail</li> <li>• test messages ('keep alive') and "keep alive monitor"</li> </ul>
<b>Configuration</b>	<ul style="list-style-type: none"> <li>• alarm telephone numbers (call, SMS text message); e-mail address</li> <li>• each sensor input: sensor type, alarm limits, alarm delay times, texts, measuring factor, unit of measure (e.g. Volt), calibration, warming up time of sensor, sample frequency</li> <li>• sync interval</li> <li>• schedules for time controlled switching on and off</li> <li>• frequency of test messages</li> </ul>
<b>Power consumption</b>	<ul style="list-style-type: none"> <li>• In 'low power' mode: ca. 50 µA (excl. sensors)</li> <li>• In 'high power' mode: ca. 50 mA (excl. sensors)</li> <li>• sensors can be powered externally, or by the Mobeye SISTM in the low power sample mode</li> </ul>
<b>Power supply to sensors</b>	<ul style="list-style-type: none"> <li>• own power supply or powered by Mobeye SISTM (5 or 15VDC)</li> </ul>
<b>Power supply to unit</b>	<ul style="list-style-type: none"> <li>• via external lithium battery pack AC-BP5 (Mobeye accessory) (up to 5 years at 4 measurements/hour and daily sync to web portal)</li> <li>• via 6 ~ 24VDC input, optionally with 2x backup Varta CR123 Lithium for power failure message</li> </ul>
<b>Communication</b>	<ul style="list-style-type: none"> <li>• 3G EUR/AU with fallback to quad band EGSM 900/1800 - 850/1900 MHz</li> </ul>

## About Mobeye

The company Mobeye is specialized in high quality GSM/3G/4G-based alarm and telemetry technology. Mobeye products are characterised by configuration flexibility, user friendliness and an extremely low power consumption. Mobeye aims to design and market products that contribute to a safer world for its customers.