

metos
kitchen intelligence[®]

Metos IoLiving – a comprehensive self-monitoring system



**Helps to ensure
food safety**

www.metos.com

Metos IoLiving HACCP SYSTEM

IoLiving

- **userfriendly**
- **inexpensive purchase and operating costs**
- **cloud service whereof informations stored safely, the latest software version always available**
- **data accessible using any browser**
- **reporting on a daily, weekly or monthly level**
- **alerts**

- **tells what happened in the refrigerators and freezers during the night**
- **controls the function of the kitchen using the checklist feature**
- **intelligent blast freezer monitoring, alarm only for failed cooling**



With **Metos IoLiving**, you can monitor the environmental data of different measuring points and sites from anywhere over the internet. This will eliminate human typing errors and free up an employee's time for productive work. If the site temperature deviates from the threshold, alert information can be directed to a mobile phone by text message, or to an e-mail. Reporting enables comprehensive search of information and the transmitting of information to other parties smoothly and effortlessly.

On the front page, you can see the real-time temperature measured by the sensor and temperature history. Checklists are easy to create and modify as needed. You get a reminder of regular checks. Reports can be viewed on a daily, weekly or monthly level. In device settings, you can edit the names, calibration values and alert thresholds of measuring devices. In account information, you can manage user information and give reading rights to other people.

The Administrator can edit alarm limits and delays, create checklists, add and remove users and sensors.

The Basic user can perform manual measurements, fill checklists, and acknowledge alarms.

Two different licenses are available for the Metos IoLiving self-monitoring system.

Kitchen license is valid for 24 months. The license includes administrator privileges and an unlimited number of basic users. The Kitchen license allows reporting, using the Sample application, setting alarms, and sharing checklists and manual measurement points into Distribution kitchen licenses.

Distribution kitchen license is valid for 24 months. The Distribution kitchen license needs Kitchen license to operate. It is possible to add max 6 sensors to Distribution kitchen license. The license includes administrator privileges for the kitchen and an unlimited number of basic users.

Metos IoLiving self-monitoring system is suitable for a small cafe and a large chain of restaurants, and it is easily expandable with increased growth.



The Metos IoLiving I sensor allows temperatures to be measured in situations like a lunch table, goods reception inspection etc. The Metos IoLiving Sample application that is used on an Android phone or tablet computer stores the temperature, measurer, target name and any comments directly onto a server.

Metos loLiving HACCP SYSTEM

Bluetooth

Bluetooth sensors use bluetooth for data transfer. The data transfer range is maximum 15 metres.

Metos loLiving T is a small, waterproof "button" suitable for monitoring the temperatures of things like showcases or transports (cold/warm). Temperature range -0°C...+60°C. Battery type CR2032.

Metos loLiving H is a small "button" suitable for monitoring kitchen temperature and humidity. Temperature range -25°C...+60°C, relative air humidity measuring range 20%...80%. Battery type CR2450.

Metos loLiving TC sensor is special made to freezers, for example ice cream displays. Temperature range -30°C...+60°C. Battery type CR2450.

Metos loLiving E is particularly suitable for monitoring the temperature of cold cupboards, refrigerators and freezers. The sensor allows the measurement of things like cold cupboard inside temperature and the temperature outside the cupboard. Sensor measuring end temperature measuring range -30°C...+110°C, sensor body (exterior temperature) measuring range: -25°C...+60°C. Battery type CR2450.

Metos loLiving E+ is suitable for the monitoring of warm food temperatures. Sensor measuring needle temperature measuring range 0°C...+200°C, sensor body (exterior temperature) measuring range: -25°C...+60°C. Battery type CR2450.

The Metos loLiving I sensor allows temperatures to be measured in situations like a lunch table, goods reception inspection etc. The Metos loLiving Sample application that is used on an Android phone stores the temperature, measurer, target name and any comments directly onto a server. Sensor measuring needle temperature measuring range -25°C...+90°C. Battery type CR2450.

Metos loLiving DW is suitable for monitoring the temperature of the washing and rinsing water of a dishwashing machine. One sensor for measuring the temperatures of both washing water and final rinsing water. Sensor measuring end temperature measuring range -30°C...+110°C. Battery type CR2450.

The Metos loLiving KE kettle sensor is suitable for the Metos Viking, Culino and Proveno cooking kettles. In addition to temperature data, the sensor also transmits on/off data about heating, cooling and mixing. Factory option, may also be installed on previously delivered kettles that are HACCP ready.

Metos loLiving Gateway is a ready-to-use phone for Metos loLiving self-monitoring applications (the data connection service should be ordered separately). The data collected by Metos loLiving sensors (not the loLiving I sensor) may be viewed in the loLiving application. Additionally, the loLiving application enables management of settings. The Sample application is designed for storing temperature samples collected by the Metos loLiving I sensor (a pin sensor).

LoRa

LoRa sensors use radio technology for data transfer. LoRa-sensors transfer range is 200-300 m.

Metos loLiving TC LoRa sensor is special made to freezers, for example ice cream displays. Temperature range -30°C...+60°C. Battery type 2 x AAA Lithium.

Metos loLiving E LoRa is particularly suitable for monitoring the temperature of cold cupboards, refrigerators and freezers. The sensor allows the measurement of things like cold cupboard inside temperature and the temperature outside the cupboard. Sensor measuring end temperature measuring range -30°C...+110°C, sensor body (exterior temperature) measuring range: -25°C...+60°C. Battery type 2 x AAA Lithium.

Metos loLiving DW LoRa is suitable for monitoring the temperature of the washing and rinsing water of a dishwashing machine. One sensor for measuring the temperatures of both washing water and final rinsing water. Sensor measuring end temperature measuring range -30°C...+110°C. Battery type 2 x AAA Lithium.

Metos loLiving BC LoRa is particularly suitable for monitoring the temperature of blast chillers. Sensor measuring needle temperature measuring range 0°C...+90°C. Battery type 2 x AA Lithium.

LoRa Connector sends data from all loLiving sensors. Bluetooth sensors can be used with max. within 15 meters from the LoRa Connector. LoRa sensors send information to LoRa Connector from 200-300 meters inside the building.

Metos loLiving Bluetooth sensors	Code
<i>Metos loLiving T</i>	4008000
<i>Metos loLiving H</i>	4008001
<i>Metos loLiving TC</i>	4008022
<i>Metos loLiving E</i>	4008002
<i>Metos loLiving E+</i>	4008003
<i>Metos loLiving I</i>	4008004
<i>Metos loLiving DW</i>	4008005
<i>Metos loLiving KE</i>	4008006
<i>Metos loLiving Gateway base station</i>	4008011

Metos loLiving LoRa sensors	Code
<i>Metos loLiving E LoRa</i>	4008023
<i>Metos loLiving DW LoRa</i>	4008024
<i>Metos loLiving TC LoRa</i>	4008025
<i>Metos loLiving BC LoRa</i>	4008033
<i>Metos loLiving LoRa Connector</i>	4008026



metos
kitchen intelligence[®]

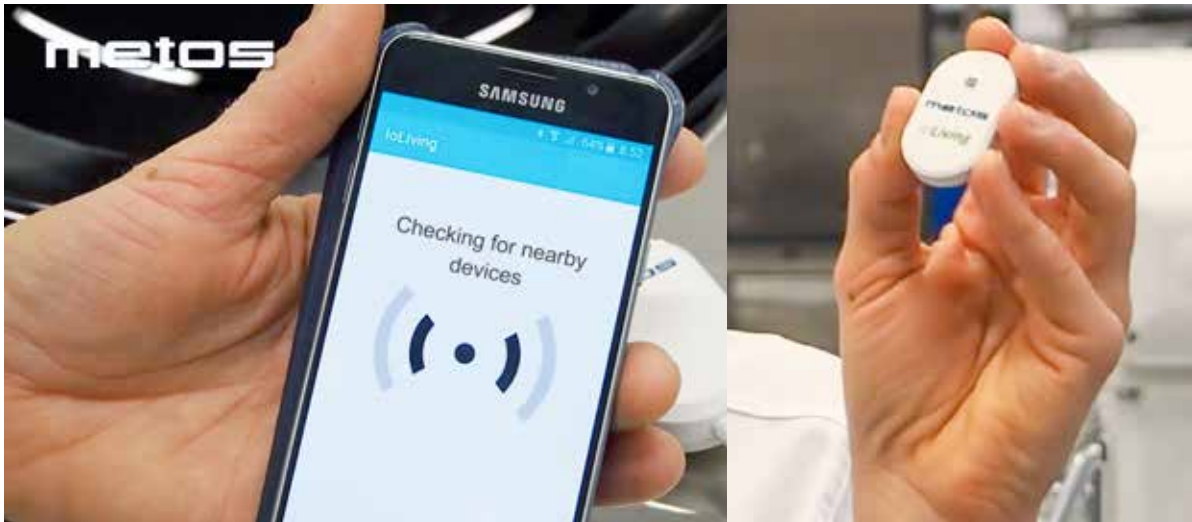
Metos Oy Ab

Ahjonkaarre, FI-04220 Kerava, Finland

tel. +358 204 3913

e-mail: international.sales@metos.com

www.metos.com/manufacturing



an Ali Group Company



The Spirit of Excellence