

MultiSensor-TI Guide

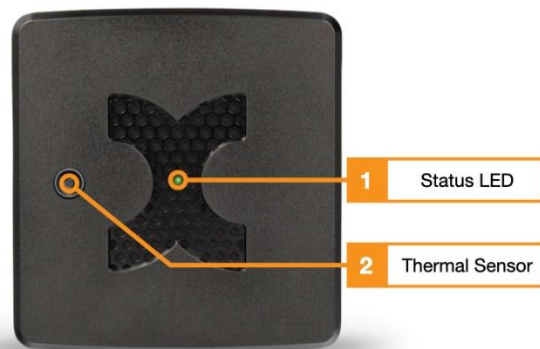
Art-No: KMS-TI-90-B, KMS-TI-90-W, KMS-TI-40-B, KMS-TI-40-W • Datasheet: [MultiSensor-TI](#)

The MultiSensor-TI is equipped with a 1024 pixel thermal image sensor and can detect heat radiating objects (e.g. people, machines, plants) in moving or static state. The MultiSensor-TI can also be operated in stand-alone mode without Alarm Manager. A web server is integrated for configuration in stand-alone mode, which allows you to configure and operate the device via the network using a web browser. Integration into network management systems is easily possible via the SNMP software interface.

On the following pages you can find more information and FAQs about the Kentix MultiSensor-TI

- [Basic functions MultiSensor-TI](#)
- [4-Factor smoke detection](#)
- [Area calculation MultiSensor-TI](#)
- [Basics of infrared measurement technology](#)
- [Mounting instructions MultiSensor-TI](#)

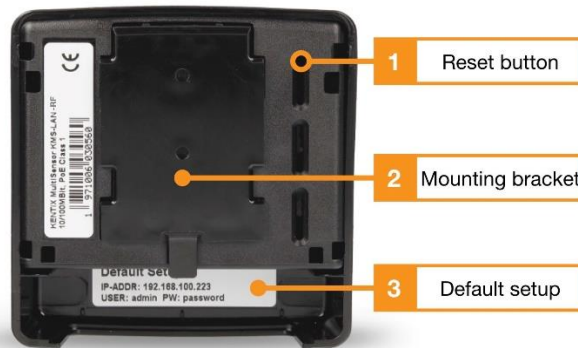
MultiSensor-TI Front



1. Status LED
 - a. **GREEN:** POWER OK, no alarms pending
 - b. **RED:** POWER OK, Alarms pending
2. Thermal image sensor with appropriate optics
 - a. 40°x40° Field of view (ART: KMS-TI-40-B)
 - b. 90°x90° Field of view (ART: KMS-TI-90-B)

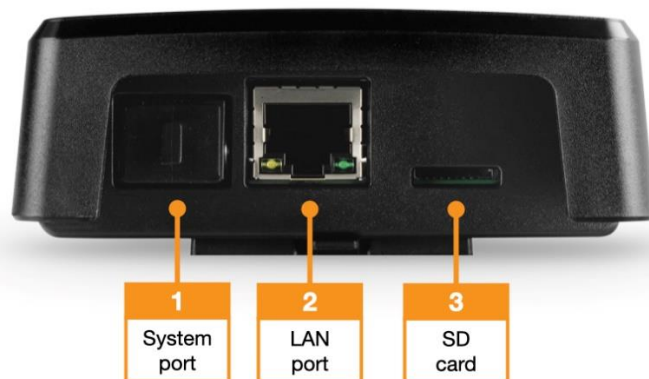
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MultiSensor-TI Back



1. Reset button: For resetting the device to the factory settings
2. Mounting bracket: To remove, lift the tab and pull the bracket towards the tab

MultiSensor-TI Connections



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1. Kentix System Import: Connection for extension sensors
2. LAN connection for network and power supply via PoE (Class 2)
3. SD card slot for Micro SD cards up to 128GB (not included)

Connection to Computer

Connect the LAN socket of the MultiSensor-TI to a PoE-enabled switch using a LAN cable. Also establish a network connection between your PC and this switch.^[L]_[SEP] Set the IP address of your PC to e.g. "192.168.100.123" and you can reach the MultiSensor via the web interface at the address **192.168.100.223**.

CO2 Measurement with the MultiSensor-TI

The Kentix MultiSensor-TI is a multifunctional sensor that can monitor and detect a wide range of hazards.

It is ideal for early fire detection.

The Kentix MultiSensor-TI measures the organic compounds (VOCs) in the room air as part of the determination of air quality.

Out of these VOCs the artificial intelligence is calculating a **CO2 equivalent (CO2eq)**.

The CO2eq value given in the dashboard may differ from external pure CO2 measuring devices.

In order to improve the air quality in rooms, it is helpful to permanently check the quality. It is important to interpret the measured values and to understand their effects in order to take measures in time to prevent effects on humans.

The following table shows the different levels of air quality evaluated according to your Indoor Air Quality Index (IAQ).

IAQ Index	Air quality	Effects (long-term exposure)	Proposed action
0 – 50	Excellent	Clean air; the best for your well-being	No action required
51 – 100	Good	No irritation or effects on well-being	No action required
101 – 150	Slightly contaminated	Reduction of well-being possible	Ventilation suggested
151 – 200	Moderately contaminated	Clearer irritation possible	Increase ventilation with clean air

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201 – 250	Highly contaminated	Exposure can cause effects such as headaches, depending on the nature of the VOCs	Improve ventilation
> 250	Highly contaminated	More serious health problems possible if harmful VOCs are present	Contamination should be identified if the level is reached without the presence of people; maximize ventilation & reduce presence

Fire probability

IAQ Index	Fire probability
≤ 300	No Fire probability
301 - 350	Low Fire probability
351 - 400	Increased fire probability
> 400	High fire probability