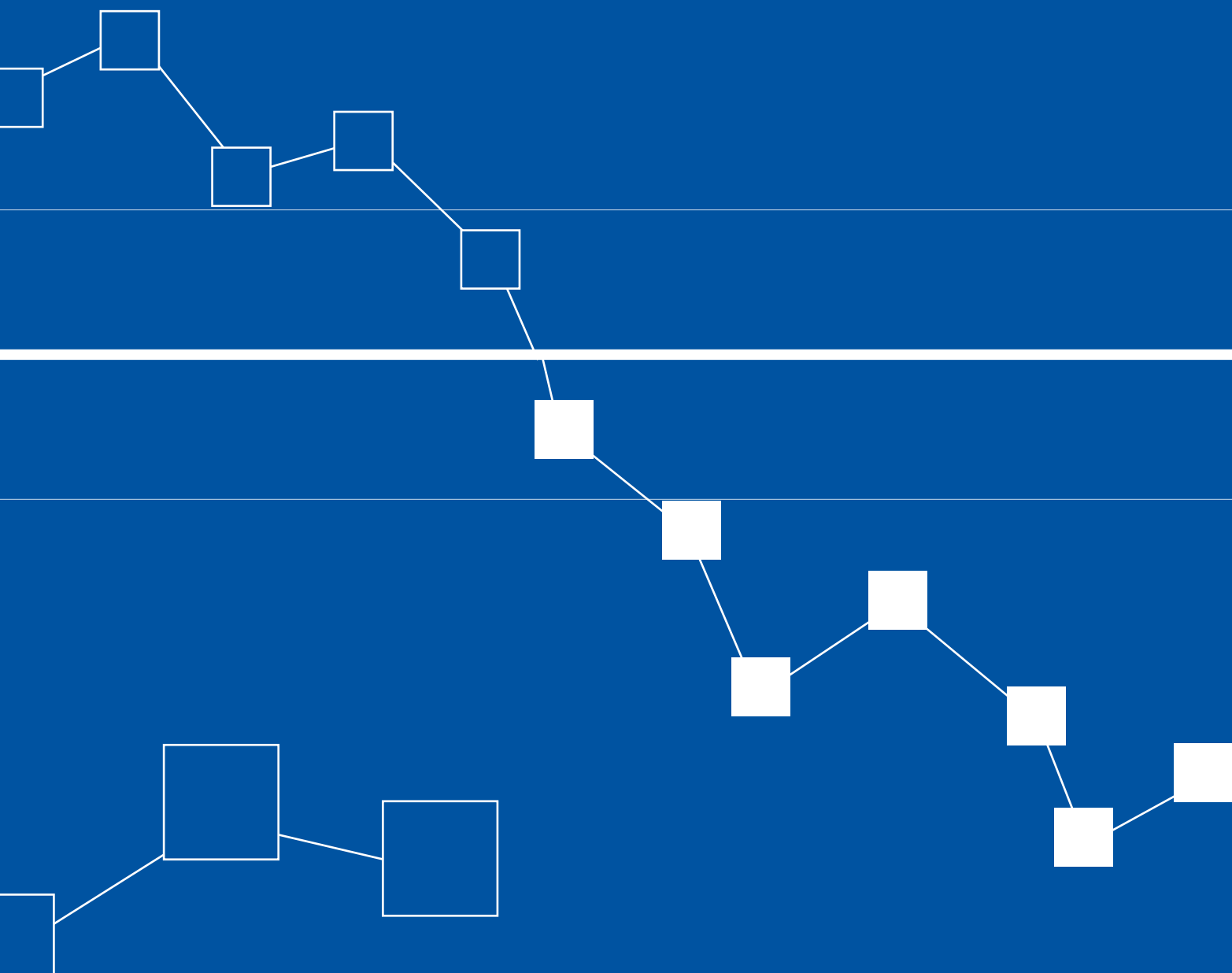


B&M TRICON SENSOR TAG portfolio





The SENSOR TAG from B&M TRICON is available in several product configurations, supplies reliable short- and long-term data about temperature and humidity, and recognises possible vibration. Thanks to its using a range of different types of casing, the SENSOR TAG can be used in almost any area.

The measurement stored can be transferred quickly and easily using an RFID UHF or HF (NFC) interface, a 2.45 GHz USB scanner, or directly by GSM. Parameterisation, display and administration of the measurement data of the SENSOR TAG are by the company's own software solution, DATAKEY®.

SENSOR TAGS are used for:

- quality assurance by condition and threshold monitoring
- monitoring and logging the cooling chain during transport and storage
- long-term measurement of climate conditions for temperature- and humidity-sensitive products
- clarification of damage cases, claim and liability questions by vibration detection on a machine-controlled early warning system
- there is also an option to use other sensors (e.g. light sensors)

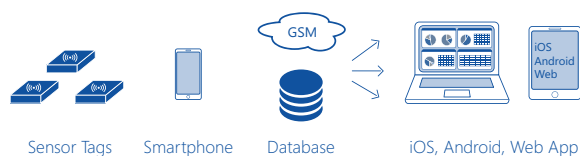
HF / NFC and 2.45 GHz



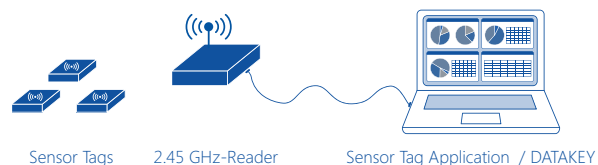
Analysis of measurement points and control of the technical servicing

HF / NFC: detection of vibrations, control of the technical servicing of machinery and production facilities
 2.45 GHz: analysis of difficult-to-access measurement points such as brickwork; production lines.

HF / NFC: Mobile NFC reader



2.45 GHz: Stationary 2.45 GHz reader



The database is transmitted via a handheld terminal with a linked handheld terminal/smartphone

Link to stationary desktop PC with internet access available

Types

- SENSOR TAG 2.45 GHz and RFID HF (NFC); sensor systems: temperature, humidity, vibration
- SENSOR TAG 2.45 GHz and RFID HF (NFC); sensor systems: temperature, humidity
- SENSOR TAG 2.45 GHz and RFID HF (NFC); sensor systems: temperature

Reading range**	HF/NFC: up to 4 cm	2.45 GHz: up to 30 metres
Relative humidity*	Operating range: 0% RH to 100% RH; Resolution: 0.04% RH Precision: normal $\pm 3.0\%$ RH, maximum $\pm 4.5\%$ RH	
Temperature*	Operating range: -30°C to $+60^{\circ}\text{C}$; Resolution: 0.04 $^{\circ}\text{C}$ Precision: normal $\pm 0.3^{\circ}\text{C}$, maximum $\pm 0.45^{\circ}\text{C}$	

*According to product variant or configuration, ** Depends on reader type and surroundings

Readers

- 2.45 GHz USB reader, reading range up to 10 metres
- 2.45 GHz USB reader, reading range up to 30 metres
- Smartphones to read HF / NFC SENSOR TAGS

SENSOR TAG GSM



Climate monitoring, detection of vibration & theft protection

The areas in which the SENSOR TAG with GSM can be used range from climate monitoring in production areas to warehouses, server rooms and on freight goods. It detects vibration from vehicles, and can also be used successfully as a protection against theft.

The SENSOR TAG sends the measurement data directly by GSM to the central database:



Types

- IP67 casing, network-operated, without SIM card
- IP67 casing, battery-operated, incl. non-changeable battery set, without SIM card
- IP40 casing, battery-operated, incl. battery set changeable, without SIM card

Specifications

Sensor Systems*	Temperature, humidity, vibration recognition
Frequency / log**	Depends on GSM mobile network, Quadband GSM 900/1800 MHz and 850/1800 MHz
Relative humidity*	Operating range: 0% RH to 100% RH; Resolution: 0.04% RH Precision: normal $\pm 3.0\%$ RH, maximum $\pm 4.5\%$ RH
Temperature*	Operating range: -30°C to $+60^{\circ}\text{C}$; Resolution: 0.04°C Precision: normal $\pm 0.3^{\circ}\text{C}$, maximum $\pm 0.45^{\circ}\text{C}$

*According to product variant or configuration, ** Depends on reader type and surroundings

B&M TRICON – Your partner

- Specialised in barcode-, RFID- and software solutions
- Understands and optimises your logistics processes
- Based on well-proven hardware from leading manufacturers
- Provides state-of-the-art standard software
- Develops tailor-made add-ons or modifications
- From consulting to after sales service
- Takes care of your project with an experienced and committed team
- Provides the background and stability of the Trierenberg Holding

B&M TRICON GmbH is active in the whole D-A-CH region (Germany, Austria and Switzerland) and is a leading independent supplier of products and solutions for automatic identification (auto-ID) and data collection for industry, commerce, trade, healthcare, transport and logistics. We offer you one-stop logistic solutions.

Our professional maintenance and repair service also supports you, even during day-to-day operations.

Trust the No. 1 in mobile solutions and give us a call!

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