



e//connected

E-CONNECTED / COLD CHAIN MONITORING

TEMPERATURE MONITORING SYSTEM & GPS TRACKING FOR REFRIGERATED CONTAINERS

Eberspächer refrigerated containers ensure consistent temperatures during transportation. With the Eberspächer cold chain monitoring service, they can be reliably checked at any time.

The cold chain monitoring service enables seamless analysis of the temperature of the refrigerated container: Via a connected gateway and a temperature sensor installed in the refrigerated container, the system collects various data such as temperature, GPS position, battery capacity and the shock behavior of the container. The data can be monitored and evaluated in real time via the e-connected online platform.

With the ability to download detailed reports on temperatures during transportation, companies can track the cold chain along its entire length.

ADVANTAGES:

- Measurement of temperature, GPS position, shock behavior and battery level of the containers
- Cloud-based real-time monitoring
- Quick overview of the container fleet and the values measured on a dashboard
- Automatic alert notifications for temperatures above or below configurable limits via e-mail and dashboard

ADDITIONAL FEATURES:

- Reduction of transport damage caused by errors in the cold chain
- Greater driver awareness
- Pre-installed hardware including connected gateway and temperature sensor
- Documentary evidence of the cold chain with detailed, complete reports
- Web-based application: Access to the e-connected Cloud-Dashboard via any Internet Browser

SEGMENTS:**TECHNICAL DATA:****E-CONNECTED GATEWAY S KIT**

Suitable container	56 – 1.640 liters	
Connection to e-connected platform	LTE CAT M1, NB-IoT, GSM	
Internal sensors	Accelerometer, GNSS, external power voltage	
External sensors	Temperature sensor (Bluetooth Low Energy)	
IP protection rating	Gateway: IP41	Temperature sensor: IP68
Weight	Gateway: 55 g	Temperature sensor: 42 g
Dimensions	Gateway: 65 x 56.6 x 20.6 mm	Temperature sensor: Ø 57 x 20 mm
Operating temperature	-30 °C to +85 °C	
Operating humidity	Gateway: 5% to 95% non-condensing	Temperature sensor: waterproof
Measurement unit	°C	
Measuring range	-30 °C to +85 °C	
Accuracy	± 0.5 °C from -25 °C to 85 °C	± 1 °C from -40 °C to -25 °C
Resolution	0.1 °C	
Measuring rate & communication interval	10 min	
Power Supply	Gateway: 10-30 V DC	Temperature sensor: internal battery