

# Easily monitor temperatures

## RFID Temperature Labels



- **easily monitor temperatures:** low cost temperature monitoring with passive, ISO 18000-6C and ISO14443 NFC interface, and ETSI compliant bandwidth RFID smart labels that do not require energy or maintenance. Labels are energised when needed by HF or UHF compliant readers
- **applicable to all surfaces:** available in a wide range of thin and flexible industrial grade label materials with a variety of adhesives to stay attached to smooth, rough, or powdered surfaces, and to flat or curved surfaces.
- **complete solution:** includes RFID labels, label printer, label design software, RFID reader with hard- and software support.

Potential applications include environmental monitoring, material and equipment monitoring, cold chain monitoring, data centre monitoring, maintenance and safety data collection, and greenhouse monitoring.

## 2 solutions



Temperature sensing label with HF technology	Temperature sensing label with UHF technology
Read range: near field communication (NFC): max 5 cm	Read range: up to 5 meter
Wireless and battery free temperature sensor	Wireless and battery free temperature sensor
Thin flexible label design with adhesive backing	Thin flexible label design with adhesive backing
Android and IOS app available for label personalisation.	Memory: from 128 bit EPC /144 bit user memory
ISO14443 NFC interface, fully NFC Forum tag type 2 compliant	ISO 18000-6C compliant according to ETSI bandwidth
Min label size: 37 mm diameter	Min label size: 95 x 30 mm
Mobile and NFC compatible readers, including latest smartphones	Read by common RFID scanners
1 tap activates a direct link to the cloud, no app required	Read in one go, multiple at once
Temperature range: absolute accuracy of 0.3°C in the range of 0 to 40°C	Temperature accuracy: 0.5°C using 2 point calibration
Standard firmware allows personalisation of secure link, °C or F, offset, hash-key	Passive on spot measurement; no data capturing: temperature will only be measured once scanned, no track record of temperature changes or fluctuations
Not suitable for direct use on metal	Not suitable for direct use on metal