



# Wireless Temperature Sensor

## Flexible sensor applications



RFM3200

### APPLICATIONS

Environmental monitoring  
Bulk material monitoring  
Data center monitoring  
Interior temperatures  
Equipment monitoring  
Point of shipment cold chain

### KEY FEATURES

Standard temperature range  
-40 °C to +85 °C

Powered by Magnus® S3

Flexible sensor design

Battery-free design

Sensor size  
31.9 x 101.7 mm

Adhesive backing

### Battery-free equipment monitoring

The RFM3200 is a wireless battery-free temperature sensor. This flexible sensor is designed to monitor environmental and material temperatures in a wide range of settings. Typical applications include environmental temperature monitoring, bulk material temperature monitoring, data center chiller and cooling monitoring, as well as cold chain monitoring at key shipment centers.

### Wireless temperature sensing

The RFM3200 has a standard operating temperature range of -40 °C to +85 °C. This covers the nominal operating temperatures of most equipment and environmental operating conditions.

### Flexible easy to install design

The RFM3200 is built using flexible materials with a built-in adhesive strip. The RFM3200 incorporates an integrated RF antenna to harvest energy for the temperature sensing function, as well as to communicate with a RAIN/UHF compliant reader. The integrated antenna is configured to be relatively insensitive to moisture and rain but is not suitable for direct use on metal.

### Compliance

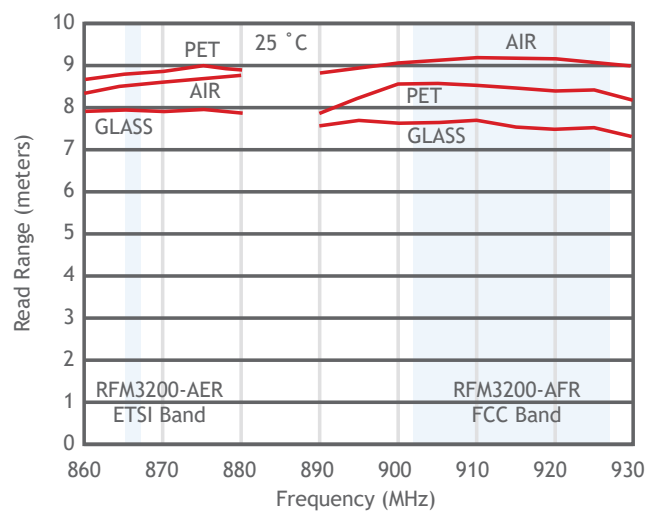
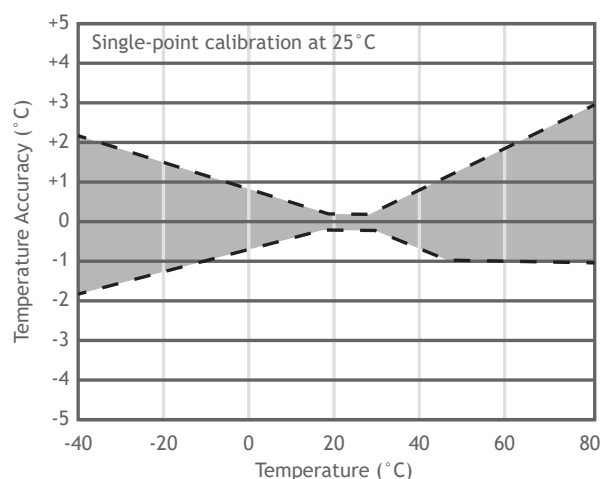
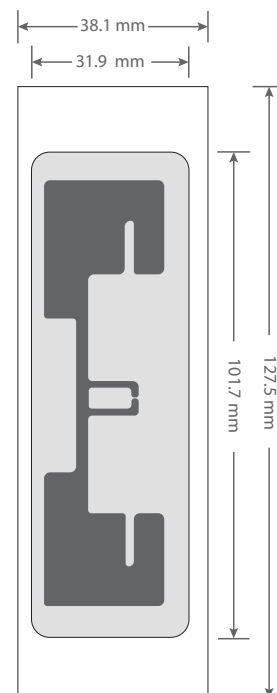
The RFM3200 is available in FCC and EU/ETSI frequency ranges. The RFM3200 requires a RAIN/UHF compliant reader. These sensors can be purchased separately or as part of a kit.



## RFM3200 Performance Data

Flexible temperature sensor for monitoring applications

PARAMETER	VALUE
Normal temperature range	-40 °C to +85 °C
Compatible standards	EPC class 1 gen 2 v2.0.1 ISO 18000-6C
Integrated circuit	Powered by Magnus® S3
TID memory	64-bits
EPC memory	160-bits supporting up to 128-bit EPC
User memory	128-bits
Sensor die cut size	31.9 x 101.7 mm
Sensor pitch	38.1 mm
Web width	127.5 mm
Adhesive	Self-stick with easy release tab
Shipment method	Roll
Minimum order quantity	25 pc MOQ
Ordering information	RFM3200-AFR (FCC 902 to 928 MHz) RFM3200-AER (ETSI 865.6 MHz to 867.6MHz)



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