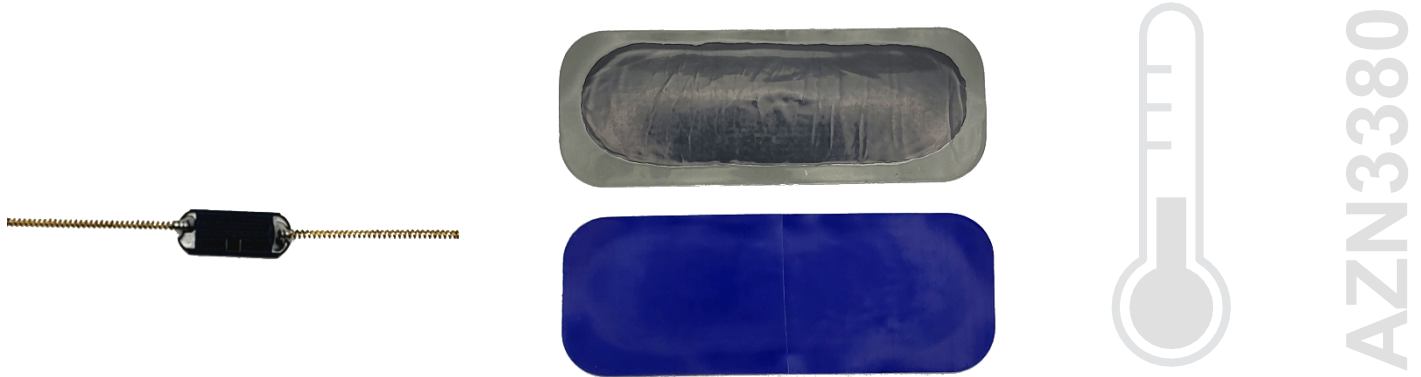




# Wireless Temperature Sensor

Built For On-Rubber Applications



## Battery-Free Equipment Monitoring

The AZN3380 specializes in monitoring the temperature of rubber equipment. This sensor was primarily curated for use on rubber tires and is embeddable on both radial and bias variations. Having the AZN3380 in tires allows for greater quality control during production while also giving imperative insights on the longevity of the tire. Additionally, the AZN3380 has a diverse array of applications, as it can be utilized on rubber conveyor belts, road race tires, rubber-lined industrial storage tanks, and other devices where rubber surfaces are present.

### APPLICATIONS

Radial Tires  
Bias Tires  
Rubber Conveyor Belts  
Road Race Tires  
Rubber-Lined Storage Tanks

### KEY FEATURES

**Normal Temperature Range:**  
-40 °C to +85 °C  
**Extended Temperature Range:**  
+85 °C to +125 °C  
**Sensor Dimensions:**  
95 x 35 x 2.7 mm  
**Read Range:**  
1.8m to 2.3m  
Battery-Free Design  
Powered by Magnus® 3-E IC3

## Wireless Temperature Sensing

The AZN3380 has an operating temperature range of -40 °C to +125 °C, covering the typical operating temperatures of most applicable equipment in contrasting conditions. The sensor uses Axzon's Magnus® technology to measure a vast array of temperatures with extreme accuracy.

## Designed For Use On Rubber Surfaces

The AZN3380 is built to withstand the harshest, most unrelenting environments. Boasting a read range of 1.8 m to 2.3 m, this sensor will deliver precise temperature readings within its range whether it be in a tire traveling down the highway or in a sealed industrial storage tank. The information garnered from the AZN3380 aids quality control during production and informs drivers on the longevity and condition of their tire, increasing safety and the overall quality of the tire.

## Compliance

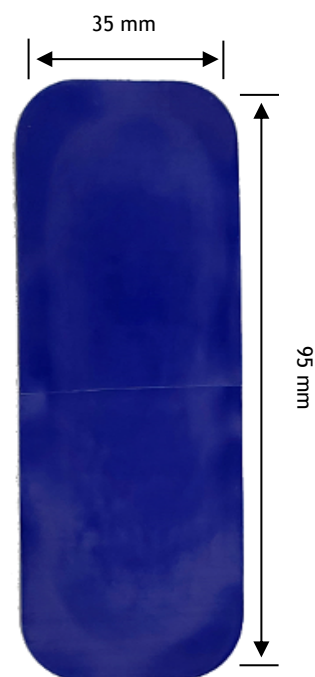
The AZN3380 is available in FCC and EU/ETSI frequency ranges. The AZN3380 requires a RAIN/UHF compliant reader.

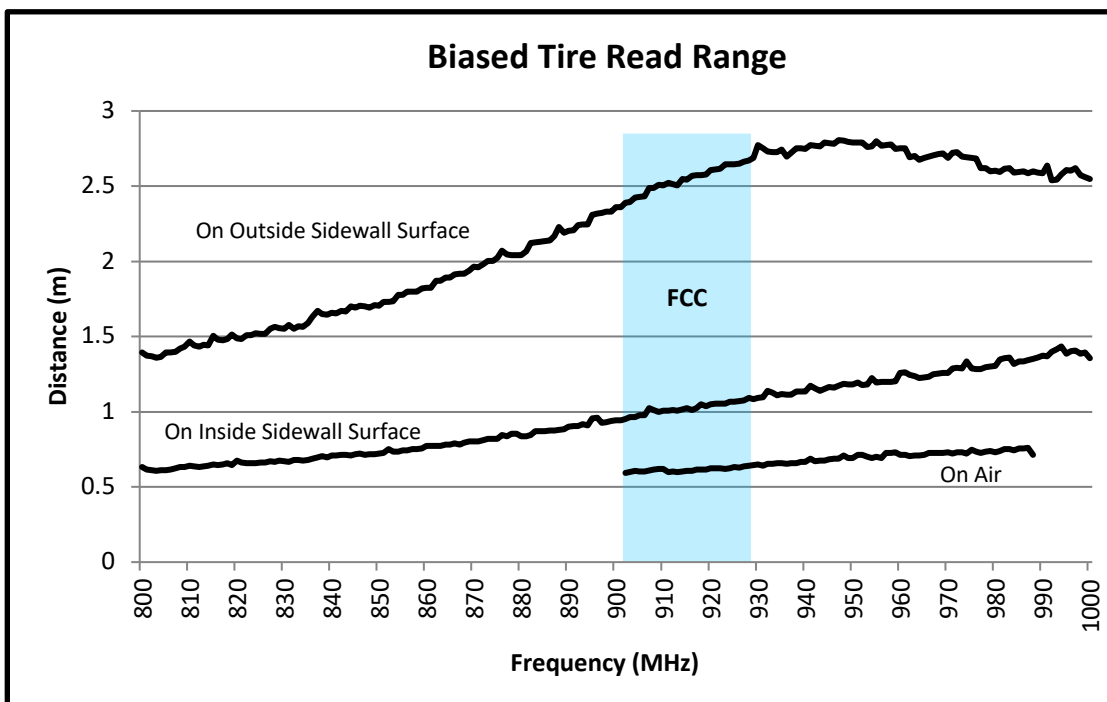
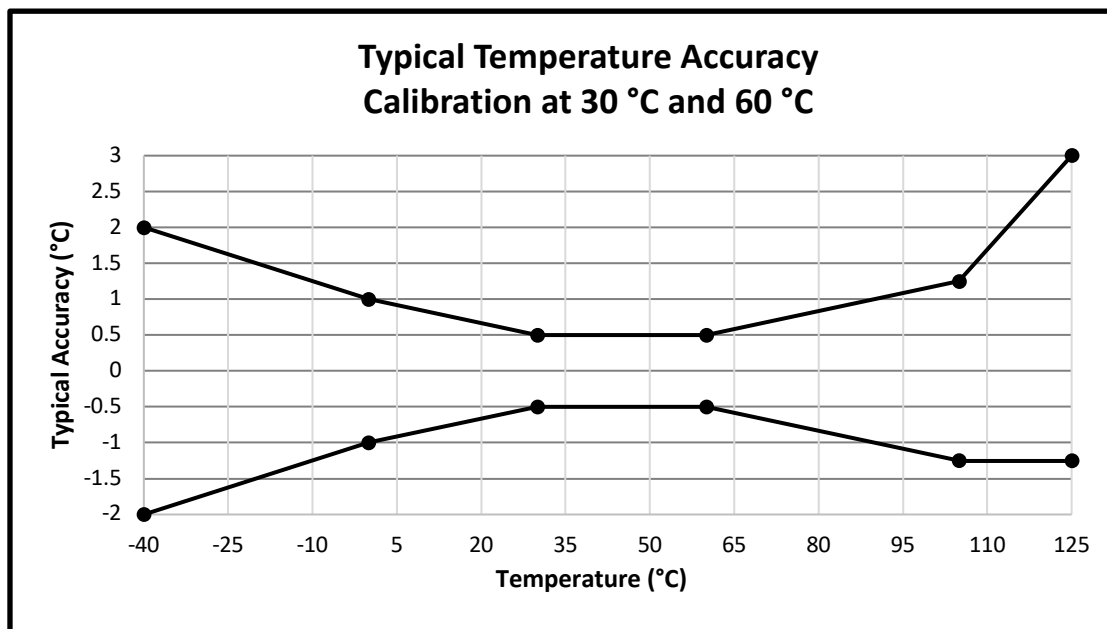


## AZN3380 Performance Data

Temperature Sensor For Rubber-Surface Applications

PARAMETER	VALUE
Normal Temperature Range	-40 °C to +85 °C
Extended Temperature Range	+85 °C to +125 °C
Compatible Standards	EPC class 1 gen 2 v2.0.1 ISO 18000-6C
Integrated Circuit	Powered by Magnus® 3-E IC3
TID Memory	64-bits
EPC Memory	160-bits supporting up to 128-bit EPC
User Memory	128-bits
Sensor Size	95 x 35 x 2.7 mm
Adhesive	Self-stick with an easy-release tab
Shipment Method	Roll
Ordering Information	AZN3380-AFS (FCC 902 MHz to 928 MHz) AZN3380-AES (ETSI 865.6 MHz to 867.6MHz)





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