Wireless Temperature Sensor

Built For On-Body Applications

AZN3230

APPLICATIONS

Athletics
Medicine
Body Temperature Monitoring
Core Temperature Monitoring

KEY FEATURES

Normal Temperature Range:
-40 ˚C to +85 ˚C
Extended Temperature Range:
+85 ˚C to +125 ˚C
Sensor Dimensions:
82 x 38 mm
On-Body Read Range:
1.6m to 2m
Battery-Free Design
Powered by Magnus® 3-D IC3

Battery-Free Equipment Monitoring

The AZN3230 is a battery-free sensor designed to monitor a person's body and core temperature. While the AZN3230 can be utilized in various settings, it is best suited for medical and athletic applications. This product attaches to any part of the human body, constantly detecting the body's core temperature. Monitoring the core temperature has a vast array of benefits, from early infection and illness detection to athletic performance optimization and dehydration prevention.

Wireless Temperature Sensing

The AZN3230 has an operating temperature range of -40 ˚C to +125 ˚C. The human body's average temperature sits somewhere between 36.1˚C to 37.2˚C and illness is initially detected at 38˚C, all of which is well within AZN3230's scope. The sensor is powered by Axzon's signature Magnus® technology and maintains its precision when attached to the human body, allowing for incredibly accurate readings in all conditions.

Designed For On-Body Use

Medicine and Prevention – Body temperature deviation from its normal range is the leading indication of bacterial or viral infections. When attached to any part of a patient's body, the AZN3230 sensor detects any sudden or gradual change in body temperature. These fluctuations indicate abnormality, providing individuals with the ability to detect infections and viral conditions early.

Sports and Athletics - Rigorous athletic activities can be dangerous in the harsh, unforgiving summer sun. Heat illnesses, dehydration, and even strokes are common in these blazing conditions. The AZN3230 monitors a person's body and core temperature, giving users an opportunity to take preventative measures when signs of overheating occur. Monitoring the core temperature also allows athletes to warm up to and maintain their optimal body temperature for high-level performance in frigid conditions.

Compliance

The AZN3230 is available in FCC and EU/ETSI frequency ranges. The AZN3230 requires a RAIN/UHF compliant reader.

AZN3230 Performance Data

Temperature Sensor For On-Body 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	82 x 38 mm
Adhesive	Self-stick with an easy-release tab
Shipment Method	Roll
Ordering Information	AZN3230-AFS (FCC 902 MHz to 928 MHz) AZN3230-AES (ETSI 865.6 MHz to 867.6MHz)