

Wireless Temperature Sensor

Lug-mounted for on-metal applications



RFM3260

APPLICATIONS

Switchgear monitoring
Electric busbar monitoring
Factory power mains
Data center power
Ring-main-units

KEY FEATURES

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

High-temperature alarm
up to +125 °C

Powered by Magnus® S3

Sensor size
52 x 26 x 27 mm

Battery-free design

Secure lug-mounting

Battery-free equipment monitoring

The RFM3260 is a wireless battery-free temperature sensor. This lug-mounted sensor is designed to monitor electric distribution and switching equipment temperatures. Typical applications include utility-grade electric power distribution, factory and industrial electric service switchgear, large office building power distribution, data centers, remotely distributed ring-main-unit (RMU) attachments to the primary electric grid, and other applications where metal surfaces are common.

Wireless temperature sensing

The RFM3260 has a normal operating temperature range of -40 °C to +85 °C. This covers the typical operating temperatures of most equipment over a range of environmental operating conditions. The RFM3260 reports temperatures beyond its normal operating range to as high as +125 °C, although prolonged operation at such an elevated temperature is not recommended.

Rugged design for use on metal and equipment

The RFM3260 incorporates a unique antenna design for harsh environments subject to temperature extremes. The integrated RF antenna harvests energy for the temperature sensing function, as well as communicates with a RAIN/UHF compliant reader. The integrated antenna is suitable for use on metal surfaces that might otherwise adversely affect wireless/RF communication range.

Compliance

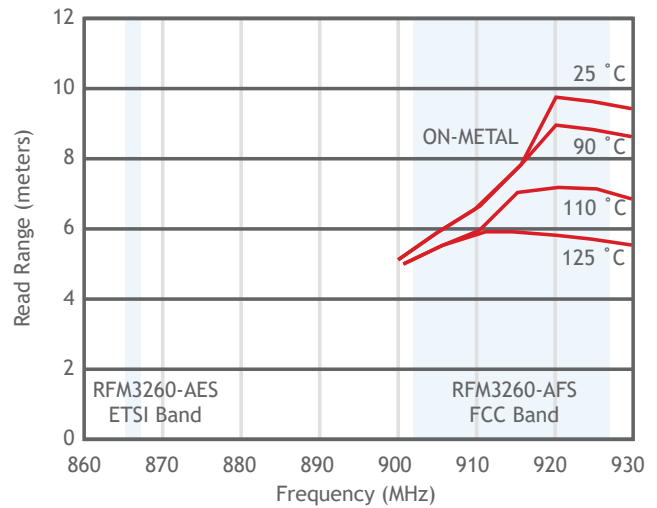
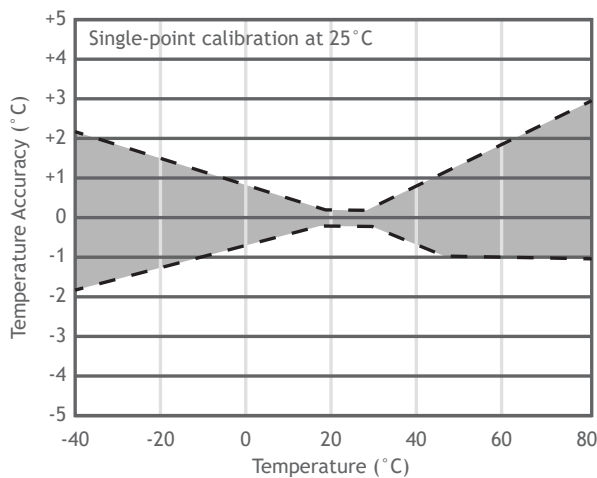
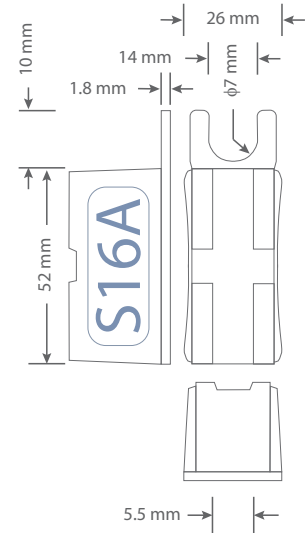
The RFM3260 is available in FCC and EU/ETSI frequency ranges. The RFM3260 requires a RAIN/UHF compliant reader. These sensors can be purchased separately or as part of a system.



RFM3260 Performance Data

Rugged temperature sensor for on-metal and industrial applications

PARAMETER	VALUE
Normal temperature range	-40 °C to +85 °C
High-temperature alarm	Up to +125 °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
EPC programming code	Pre-programmed with a 4-character ASCII code
User memory	128-bits
Sensor Size	52 x 26 x 27 mm
Thermal backing plate	Zinc-coated copper
Mounting	Lug tab with opening for 14mm diameter bolt
Shipment method	Cardboard box with foam spacer
Minimum order quantity	5 pc MOQ
Ordering information	RFM3260-AFS (FCC 902 to 928 MHz) RFM3260-AES (ETSI 865.6 MHz to 867.6MHz)



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