

Wireless Moisture Sensor

Flexible sensor applications



RFM2120

APPLICATIONS

- Incontinence monitoring
- Moisture monitoring
- Wound management
- Rain monitoring
- Building materials
- Corrosion prevention

KEY FEATURES

- Standard temperature range
-40 °C to +85 °C
- Powered by Magnus® S2
- Flexible sensor design
- Battery-free design
- Sensor size
19.1 x 104.7 mm
- Adhesive backing

Battery-free patient and liquid monitoring

The RFM2120 is a wireless battery-free moisture sensor. This flexible non-contact moisture and liquid sensor, does not need to be in direct contact with the liquid to function. Typical applications include incontinence monitoring for patient garments, liquid level detect in non-metallic containers, rain sensors and moisture detection for corrosion prevention.

Wireless moisture sensor

The RFM2120 has a standard operating temperature range of -40°C to +85 °C. This covers the typical operating temperatures of most equipment and environmental operating conditions.

Flexible easy to install

The RFM2120 is built using flexible materials with a built-in adhesive strip. The RFM2120 incorporates an integrated RF antenna to harvest energy for the moisture sensing function, as well as to communicate with a RAIN/UHF compliant reader. The integrated antenna is configured to be sensitive to moisture or rain but is not suitable for direct use on metal.

Version

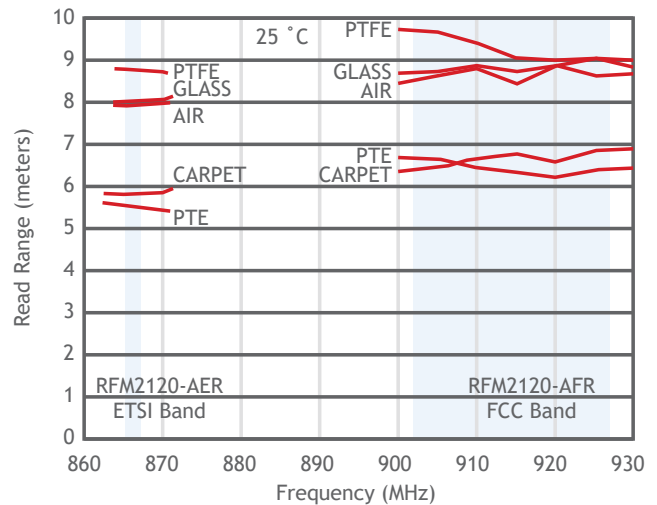
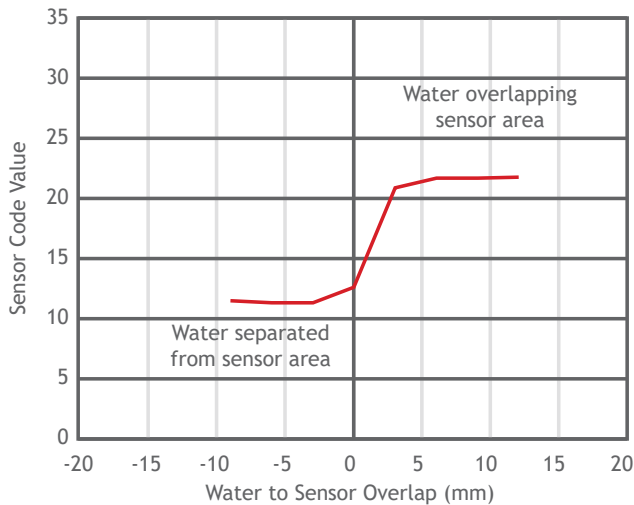
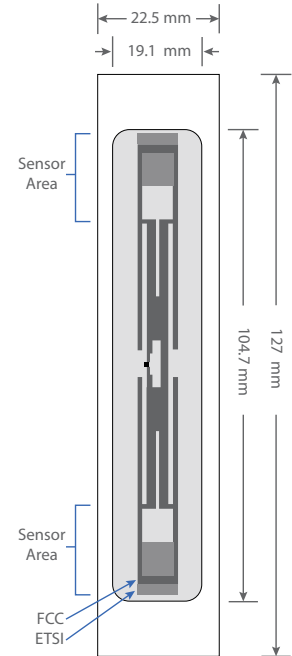
The RFM2120 is available in FCC and EU/ETSI frequency ranges. The RFM2120 requires a RAIN/UHF compliant reader. These sensors can be purchased separately or as part of a kit.



RFM2120 Specifications and Performance Data

Flexible sensor for moisture 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® S2
TID memory	64-bits
EPC memory	160-bits supporting up to 128-bit EPC
User memory	144-bits
Sensor die cut size	19.1 x 104.7 mm
Sensor pitch	22.5 mm
Web width	127 mm
Adhesive	Self-stick with easy release tab
Shipment method	Roll
Minimum order quantity	25 pcs
Ordering information	RFM2120-AFR (FCC 902 to 928 MHz) RFM2120-AER (ETSI 865.6 MHz to 867.6MHz)



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