



## Wireless Moisture and Temperature Sensor



AXZON 代理商联系方式:

样品, 评估板, 参考设计, 报价, 技术支持

电话: 0755-82565851

邮件: [dwin100@dwintech.com](mailto:dwin100@dwintech.com)

手机: 156-2521-4151

网址: <http://www.dwintech.com/rfmicron.html>

深圳市南频科技有限公司

### APPLICATIONS

- Incontinence monitoring
- Moisture monitoring
- Wound management
- Rain monitoring
- Building materials
- Temperature Monitoring

### 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 AZN3120 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 AZN3120 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 AZN3120 is built using flexible materials with a built-in adhesive strip. The AZN3120 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.

### Versions

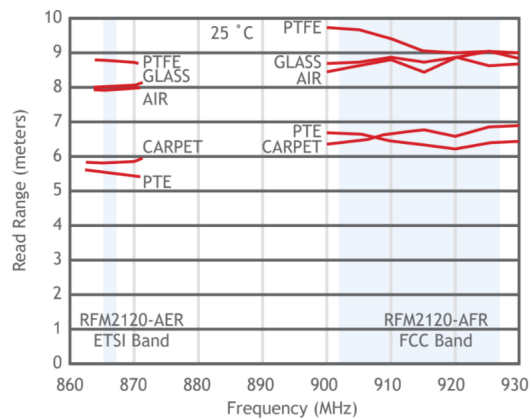
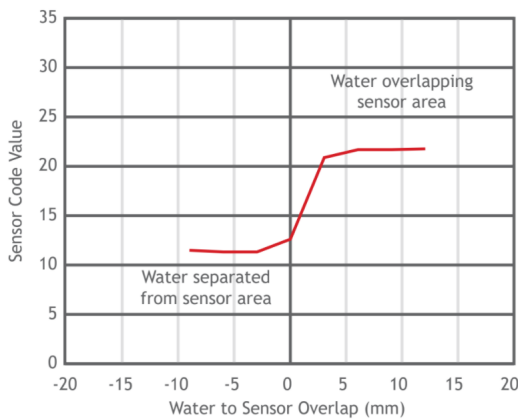
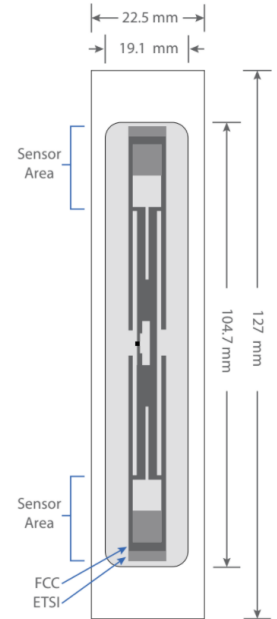
The AZN3120 is available in FCC and EU/ETSI frequency ranges. The AZN3120 requires a RAIN/UHF compliant reader. These sensors can be purchased separately or as part of a kit.



# AZN3120 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® S3
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	AZN3120-AFR (FCC 902 to 928 MHz) AZN3120-AER (ETSI 865.6 MHz to 867.6MHz)



Patent [www.Axzon.com/patents](http://www.Axzon.com/patents)

©2021 Axzon, Inc. All rights reserved. Reproduction in part or in whole is prohibited without prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. This product is covered by U.S. patents 7586385, 8081043 and other Axzon's granted and pending patents. Visit the Axzon website (<https://axzon.com/patents/>) for latest patent information. Chameleon™ and Magnus® are trademarks of Axzon, Inc. as well as the product and service names mentioned herein are registered trademarks of Axzon, Inc. All other trademarks are the property of their respective owners, Axzon, Austin Texas, USA.