



## Physical Specifications

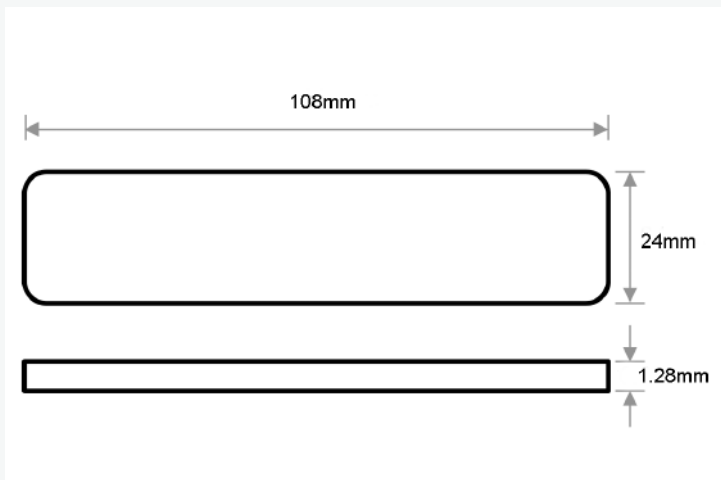
<b>Material</b>	White synthetic label
<b>Size</b>	EU - 114 x 24 x 1.28 mm US - 108 x 24 x 1.28 mm, US - 4.25 x 0.94 x 0.05 in EU - 4.48 x 0.94 x 0.05 in
<b>Weight (g)</b>	1.66
<b>Attachment</b>	Self-adhesive and suitable for curved surfaces to a minimum radius of 58mm

Product dimensions shown above are the maximum. Batch to batch variation could be within 5%. Unspliced sections will be within 0.2mm tolerance.

Please note these labels are not suitable for encoding within an RFID printer but can be ordered pre-encoded.

Note - Diagram shows US sizing, please refer to the table above for EU sizing.

## Dimensions



Measurements shown in mm

## AZN 3130

AZN 3130 labels provide on metal tag functionality with built in temperature sensor as well as moisture detection within a low profile label. Supplied in roll form enabling low cost and hassle-free RFID deployment. The consistency and reliability of the tag redefines the standard for on and off metal RFID tagging, enabling new applications and revolutionizing integration into manufacturing and supply chain processes.

## Specifications

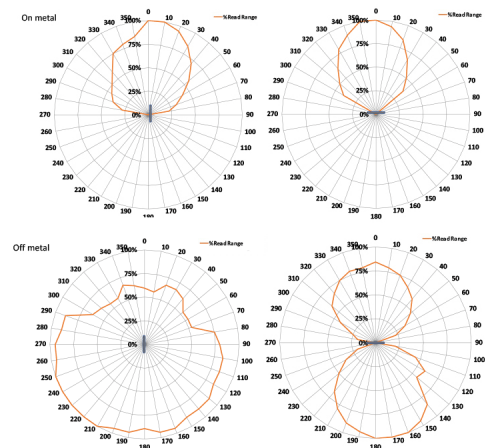
<b>Frequency Range</b>	866 - 868 MHz (EU) 902 - 928 MHz (US)
<b>Read Range - Fixed Reader</b>	Up to 4.3m (14.1 feet)
<b>Read Range - Handheld Reader</b>	Up to 2.3m (7.5 feet)
<b>On Metal or Balanced</b>	Optimized for metal
<b>Sensors</b>	Temperature
<b>Material Compatibility</b>	Metal
<b>IC Type (Chip)</b>	Axzon Magnus M3D
<b>Memory</b>	EPC - 128 bits User - 128 bits Unique TID - 64 bits

Quoted performance achieved using standard testing methodology.

Read range will vary with reader hardware, output power and environment.

EPC and User memory are reprogrammable, UTID is locked at point of manufacture by IC manufacturer.

## Radiation Patterns





With innovative construction the AZN 3130 label is ideal for applications such as:

- Logistics involving metal produce or packaging Pipe
- manufacturing and re-certification
- IT, office & hospital assets tracking applications

The built in temperature sensor allows the AZN 3130 to be used for applications such as:

- Predictive maintenance IT
- data centers

**Sensor Specifications**

<b>Temperature Sensor Accuracy</b>	±0.5°C at 30°C to 60°C
<b>Sensor Code With Moisture Change</b>	0-500*

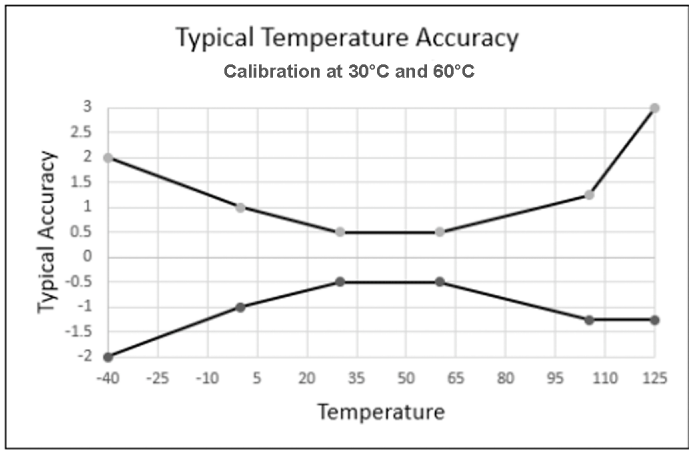
*\* Sensor code will depend upon application and material of the asset/container in use. Refer to product guide for details.*

**Environmental Specifications**

<b>Operating Temperature</b>	-40°C to +85°C
<b>Max Temperature Exposure</b>	-40°C to +85°C
<b>IP Rating</b>	IP68

**Ordering Information**

<b>Warranty</b>	1 year
<b>Part Number / Order Codes / Order Numbers</b>	AZN 3130 EU AZN 3130 US
<b>Supply Format</b>	510 pcs/roll (2% oversupply)



**Certifications**

CE, RoHS



For product or technology inquiries email: [jay.hsu@rfmicron.com](mailto:jay.hsu@rfmicron.com)  
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