Omni-ID®
part of **HID**

Sense
Passive Sensing Tags & Labels

TRUST
CONFIDENCE
QUALITY

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Sense IQ 430

Sense IQ 430 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.
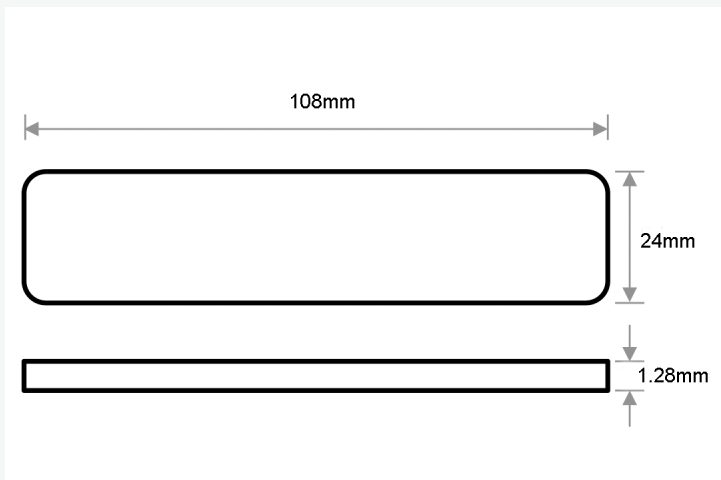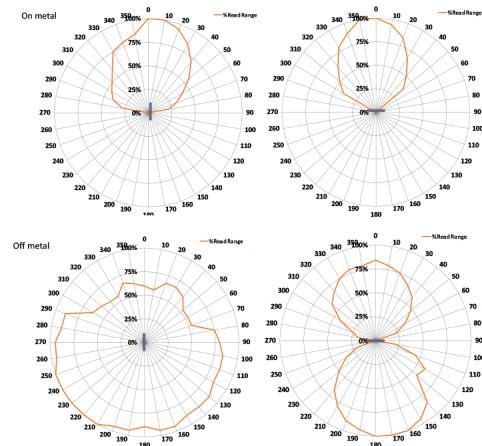
Physical Specifications	
Material	White synthetic label
Size	EU - 114 x 24 x 1.28 mm US - 108 x 24 x 1.28 mm, US - 4.25 x 0.94 x 0.05 in EU - 4.48 x 0.94 x0.05 in
Weight (g)	1.66
Attachment	Self-adhesive and suitable for curved surfaces to a minimum radius of 58mm

Product dimensions shown above are the maximum. Batch to batch variation could 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 from Omni-ID.
Note – Diagram shows US sizing, please refer to the table above for EU sizing.

Specifications	
Frequency Range	866 – 868 MHz (EU) 902 – 928 MHz (US)
Read Range – Fixed Reader	Up to 4.3m (14.1 feet)
Read Range – Handheld Reader	Up to 2.3m (7.5 feet)
On Metal or Balanced	Optimized for metal
Sensors	Temperature
Material Compatibility	Metal
IC Type (Chip)	Axzon Magnus M3D
Memory	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.

Dimensions

108mm

24mm

1.28mm

Measurements shown in mm

Radiation Patterns

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With innovative construction the Sense IQ 430 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 Sense IQ 430 to be used for applications such as:

- Predictive maintenance
- IT data centers

Sensor Specifications

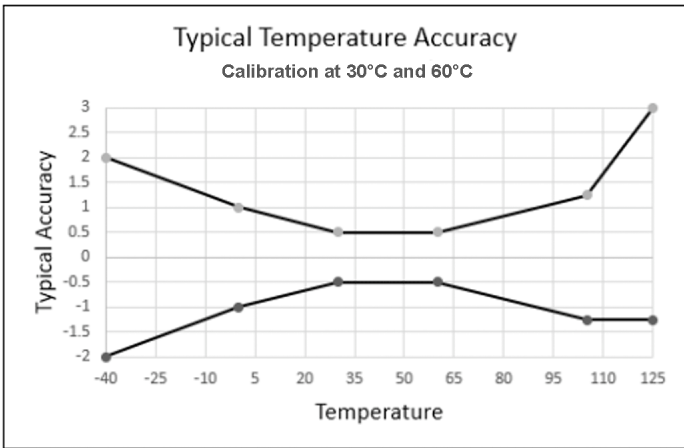|	
Temperature Sensor Accuracy	±0.5°C at 30°C to 60°C
Sensor Code With Moisture Change	0-500*

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

Environmental Specifications

Operating Temperature	−40°C to +85°C
Max Temperature Exposure	−40°C to +85°C
IP Rating	IP68

Ordering Information

Warranty	1 year
Part Number / Order Codes / Order Numbers	CP15542 EU CP15545 US
Supply Format	510 pcs/roll (2% oversupply)

Typical Temperature Accuracy
Calibration at 30°C and 60°C

Certifications

CE, RoHS

For product or technology inquiries email: **sales@omni-id.com**.
Visit **omni-id.com** to learn more about the complete line of **Omni-ID RFID** products

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