

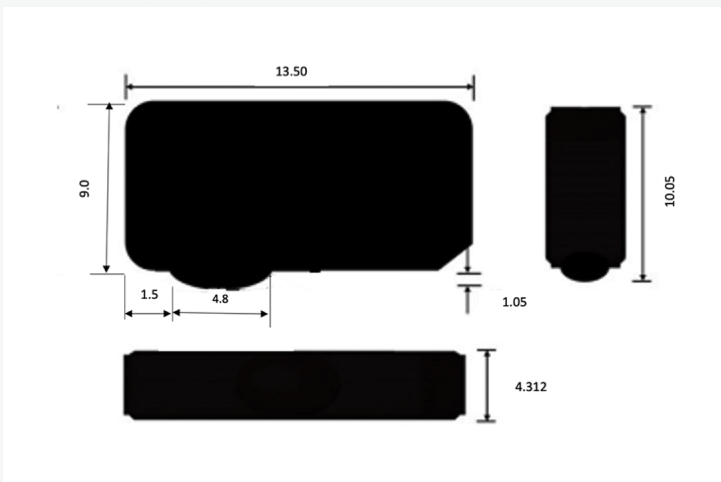
[Products] you can identify with



Physical Specifications

Material	Ceramic (painted black)
Size	13.5 x 9 (10.1 including IC bump) x 4.3 +/- 0.5 mm, 0.53 x 0.35 (0.39 including IC bump) x 0.16 +/- 0.2 in
Weight (g)	2.76
Attachment	Film adhesive (included)

Dimensions



Measurements shown in mm

Sense Fit 500

The Sense Fit 500 is a small form factor, battery free ceramic RFID tag with built in temperature sensor as well as moisture detection. Its small size makes it ideal for a number of applications where space is tight or limited intrusion is desirable but this does not affect performance as the read range is up to 5 meters. An ideal solution when space is limited but both RF performance and operational environment information are required.

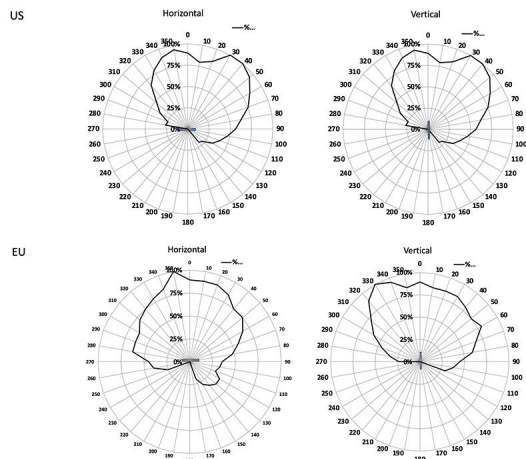


Specifications

Radio Protocol	EPC Class 1 Gen2v2
Frequency Range	866 – 868 MHz (EU) 902 – 928 MHz (US)
Read Range – Fixed Reader	Up to 5m (16.4 feet)
Read Range – Handheld Reader	Up to 2m (6.56 feet)
On Metal or Balanced	Optimized for metal
Sensors	Temperature
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.

Radiation Patterns



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A small form, high RF performance device with accurate temperature monitoring, ideal for applications requiring:

- Equipment monitoring in-house or in transit
- Data centers and metal IT assets – both in terms of tracking and temperature monitoring
- Embedding the tag into metal components
- Monitoring mechanical plants
- Predictive maintenance

Sensor Specifications

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

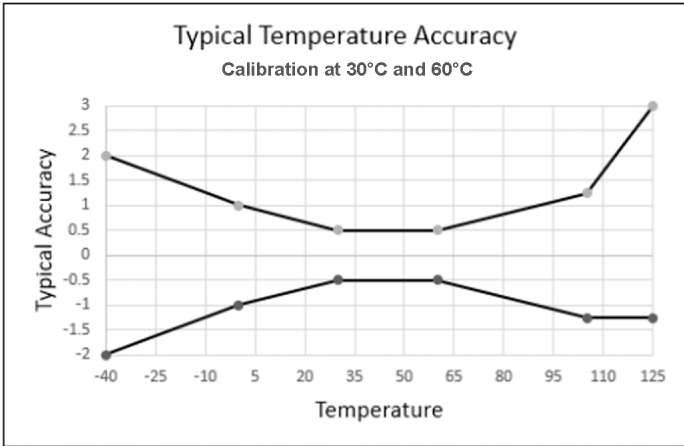
* Sensor code will depend upon application and material of the asset/container in use. Refer to product guide for details.

Environmental Specifications

Operating Temperature	-40°C to +125°C
Max Temperature Exposure	-40°C to +200°C
IP Rating	IP68
Shock & Vibration Tolerance	MIL-STD-810 G

Max temperature exposure tested at at 200°C for 700hours.

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



Ordering Information

Part Number / Order Codes / Order Numbers	CP14731 US
	CP14730 EU

Certifications

CE, RoHS



For product or technology inquiries email: sales@omni-id.com.

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