

[Products] you can identify with



Sense Fit 400

The Sense Fit 400 is a small form factor, battery free RFID tag with built in temperature sensor. 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 4 meters. An ideal solution when space is limited but both RF performance and operational environment information are required.

Applications

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

- Efficient operation
- 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

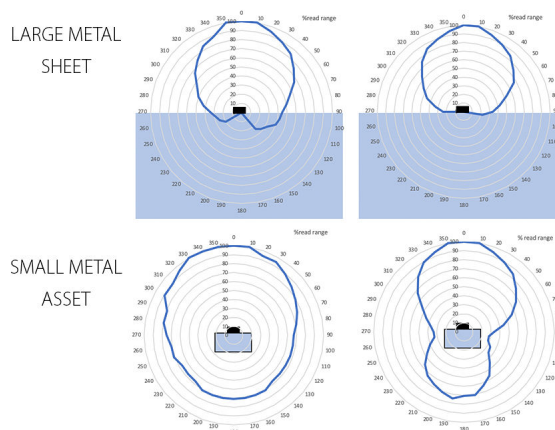
Dimensions



Physical Specifications

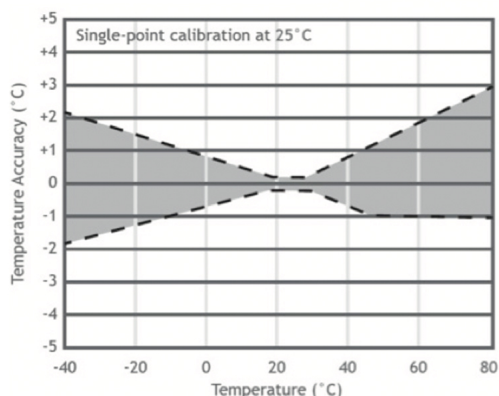
Material	Painted black
Size	13.1 x 8.05 x 3.1 including IC bump +/- 0.5 mm 0.52 x 0.32 x 0.12 including IC bump +/- 0.02 in
Weight (g)	1.4
Attachment	Film adhesive (included) for placement only in applications exceeding +85c

Radiation Patterns



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Radiation Patterns



Environmental Specifications

Operating Temperature	-40°C to +85°C
Maximum Operating Temperature	125°C
Long term Max Temperature exposure	Up to 150°C
Short term Max Temperature exposure	Up to 200°C
IP Rating	IP68
Shock & Vibration Tolerance	MIL-STD-810 G

Certifications

CE, RoHS, ATEX/IECEx certified (option), US&Canada (C1D1/D2) certified (option)



Operational Specifications

Radio Protocol	EPC Class 1 Gen2v2
Frequency Range	866 – 868 MHz (EU), 902 – 928 MHz (US)
Read Range – Fixed Reader	Up to 3.5m (11.4 feet)
Read Range – Handheld Reader	Up to 2m (6.5 feet)
On Metal or Balanced	Optimized for metal
IC Type (Chip)	Magnus S3: M3D / M3E
Memory	EPC - 128 bits User - 128 bits Unique TID - 64 bits

Ordering Information

Warranty	1 year
Part Number / Order Codes / Order Numbers	CP13965-M3D (US Version) CP13964-M3E (US Version) CP13963-M3D (EU Version) CP13962-M3E (EU Version)

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

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