

# Omni-ID<sup>®</sup> Exo 200

Omni-ID Exo 200 is an extremely small form factor durable RFID tag. Designed with a rugged, encapsulation, the Exo 200 is ideal for tracking very small metal assets. The Exo 200 can survive impact and vibration with an ability to be deployed in harsh industrial and outdoor environments.

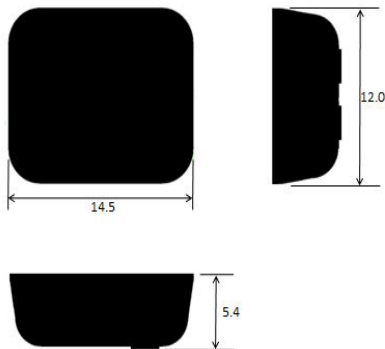
## Applications

With its extremely small form factor and durable encapsulation, Omni-ID Exo 200 tags are ideally suited to track small metal assets including attachment to:

- ▶ Small Hand Tools
- ▶ Fixed and mobile industrial equipment
- ▶ Industrial production tooling

## Physical Specifications

Encasement	Durable Thermoplastic Material
Size (mm) (tolerance)	14.5 x 12 x 5.4 +/- 0.5
Size (in) (tolerance)	0.57 x 0.47 x 0.21 +/- 0.02
Weight (g)	1.0



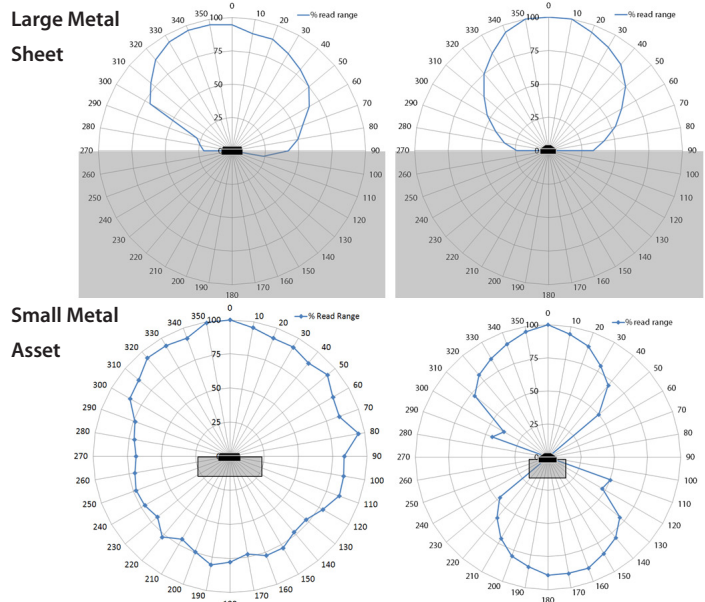
Dimensions stated in mm

## RF Specifications

Protocol	EPC Class 1 Gen2
Frequency Range (MHz)	866-868 (EU) 902-928 (US)
Read Range (Fixed reader) <sup>1</sup>	Up to 2.5m (8.2ft)
Read Range (Handheld reader) <sup>1</sup>	Up to 1.25m (4.1ft)
Material Compatibility	On Metal only
IC Type (chip)	Alien H3
Memory <sup>2</sup>	EPC - 96bits User - 512bits TID - 64bits

1. Quoted performance achieved using standard testing methodology. Read range will vary with reader hardware and output power.  
2. EPC and User memory are reprogrammable, TID is locked at point of manufacture.

## Radiation Patterns



## Related Products and Services

- ▶ **Omni-ID Exo 210** - Low profile, on metal RFID tag optimized for application to small metal assets and for embedding.
- ▶ **Omni-ID Exo 400** - Small footprint tags with larger read distance optimized for small metal assets.
- ▶ **Omni-ID Fit 200** - Extremely small footprint RFID tag for tracking very small metal assets.
- ▶ **Service Bureau** - Omni-ID offers a full service bureau for printing and pre-encoding Omni-ID tags at point of manufacture.



### Environmental Specification

Operating Temperature	-40 to +85°C
Long term Max Temperature <sup>1</sup> exposure - (days,weeks,years)	+85°C
Short term Max Temperature <sup>1</sup> exposure - (minutes,hours)	+105°C
IP Rating	IP68
Shock and Vibration	MIL STD 810-F
Attachment	Foam Adhesive as standard
Certifications	RoHS approved CE approved ATEX/IECEX certified (option) US&Canada (C1D1/D2) certified (option)
Warranty	1 year

1. Excludes adhesive options, consult adhesive data sheets for recommended temperature ratings.

### Ordering Information

Order Numbers	058 – EU, US :304 (ATEX/IECEX certified) :307 (US&Canada (C1D1/D2) certified) :701 (Standard Service Bureau) :702 (Custom Service Bureau)
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