

Omni-ID® Exo 3000

Omni-ID Exo 3000 is a globally compliant, passive UHF tag with extreme read ranges of up to 35m, on, off or near metals and liquids. Designed for heavy industry and outdoor applications, Omni-ID Exo 3000 features a high impact, water proof, durable encasement. Omni-ID Exo 3000 is an excellent choice for tracking large assets in open storage environments, without the concern of a battery.

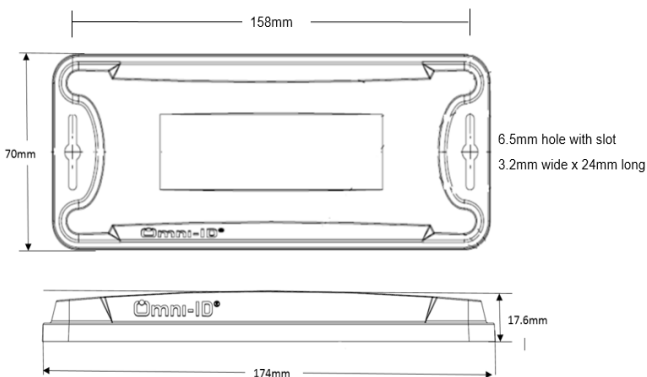
Applications

With its breakthrough RF performance, the Omni Exo 3000 RFID tag provides a cost-effective solution for applications which previously required semi-passive or active tags including:

- ▶ Cargo and Container tracking
- ▶ Heavy equipment tracking and maintenance
- ▶ Location identification in lay down zones

Physical Specifications

Encasement	PC ABS blend
Size (mm) (tolerance)	174 x 70 x 17.6 (+/- 1 mm)
Size (in) (tolerance)	6.85 x 2.76 x 0.69 (+/- 0.04 in)
Weight (g)	85.0



Dimensions stated in mm

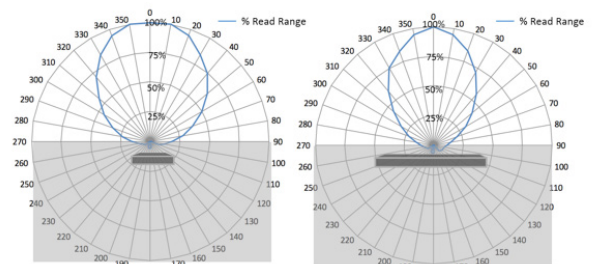
RF Specifications

Protocol	EPC Class 1 Gen2V2
Frequency Range (MHz)	860–930 (global)
Read Range (Fixed reader) ¹	Up to 33m on metal, Up to 22m off metal
Read Range (Handheld reader) ¹	Up to 20.0 (global)
Material Compatibility	Optimized for Metal
IC Type (chip)	Monza 4QT
Memory ²	EPC - 128bits User - 512bits Unique TID - 48bits

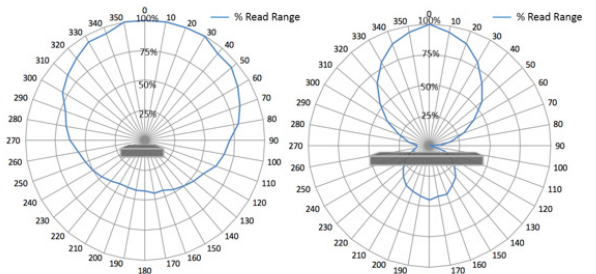
1. Quoted performance achieved using standard testing methodology. Read range will vary with reader hardware and output power.
2. EPC and User memory are reprogrammable, UTID is locked at point of manufacture.

Radiation Patterns

On Metal



Off Metal



Related Products and Services

- ▶ **Omni-ID Exo 2000** - Long range, high durability RFID tag product for heavy industry applications involving metal.
- ▶ **Omni-ID Exo 750**- Extreme durability, long range and global operability in a small, square footprint, on metal RFID tag.
- ▶ **Omni-ID IQ 800P**- Large premium label for plastic assets.
- ▶ **Service Bureau** - Omni-ID offers a full service bureau for printing and pre-encoding Omni-ID tags at point of manufacture.



Environmental Specifications

Operating Temperature¹ -40 to +85 °C

Max Temperature Exposure¹ -40 to +100 °C

IP Rating IP68

Shock and Vibration MIL STD 810-G

Impact² >25kg from 1m

Attachment Mechanical (standard)
Premium foam (option)

Certifications RoHS approved
CE approved
ATEX/IECEX certified (option)
US&Canada (C1D1/D2) certified (option)

Warranty 3 years

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

² Post 25kg impact the product is still functional, to guarantee IP68 integrity maximum impact should be limited to 15kg from 1m. Testing methodology available on request.

Ordering Information

Order code 153 - GS

Option codes
 ::303 (Customization)
 :304 (ATEX/IECEX certified)
 :307 (US&Canada (C1D1/D2) certified)
 :508 (premium foam)
 :701 (Standard Service Bureau)



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