Omni-ID®

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Omni-ID® Exo 400

Omni-ID Exo 400 is a small form factor high performance RFID tag optimized for metal substrates. Designed with a rugged encapsulation, Exo 400 includes a high performance design for handheld and portable compatibility. The Exo 400 can survive high impact and vibration with an ability to be deployed in harsh industrial and outdoor environments.
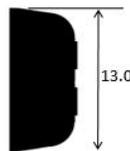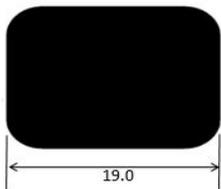
Applications

With its extremely small form factor and durable encapsulation, Omni-ID Exo 400 tags are ideally suited to track small metal assets including attachment to:

▸ Metal Tools including production tooling

▸ Work in process sub-assemblies

▸ Metal IT assets

RF Specifications

Protocol	EPC Class 1 Gen2
Frequency Range (MHz)	866-868 (EU) 902-928 (US)
Read Range (Fixed reader)[1]	Up to 4.0m (13.1ft)
Read Range (Handheld reader)[1]	Up to 2.0m (6.6ft)
Material Compatibility	On Metal only
IC Type (chip)	Alien H3
Memory [2]	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.

Physical Specifications

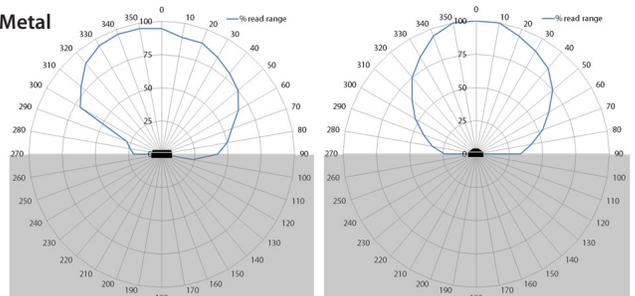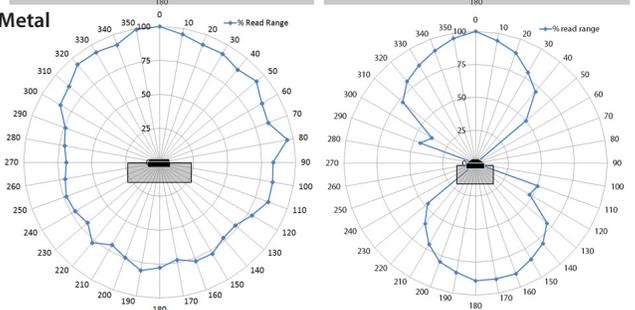| Encasement	Durable Thermoplastic Material
Size (mm) (tolerance)	19 x 13 x 5.9 +/- 0.5
Size (in) (tolerance)	0.75 x 0.51 x 0.23 +/- 0.02
Weight (g)	2.5

Dimensions stated in mm

Radiation Patterns

Large Metal Sheet

Small Metal Asset

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Visit **www.omni-id.com** to learn more about the complete line of Omni-ID RFID products.

Related Products and Services

▶ **Omni-ID Exo 200 -** Small footprint tag optimized for application to small metal assets.

▶ **Omni-ID Exo 400 P -** Small footprint, durable tag for application to plastic assets.

▶ **Omni-ID Fit 400 -**Optimized for metal Substrates, the Fit 400 can survive standard cleaning processes and finishing processes.

▶ **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 [1] exposure - (days,weeks,years)	+85°C
Short term Max Temperature [1] 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	059 – EU, US :304 (ATEX/IECEx certified) :307 (US&Canada (C1D1/D2) certified) :701 (Standard Service Bureau) :702 (Custom Service Bureau)

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