

Omni-ID® Exo 400 P

Omni-ID Exo 400 P is a small form factor high performance RFID tag optimized for attachment to plastic assets. Exo 400 P features a high sensitivity RF design and broad read angle enabling handheld and portal reading. Designed with a rugged encapsulation, Exo 400 P is ideal for use in harsh environments and can survive high impact and vibration.



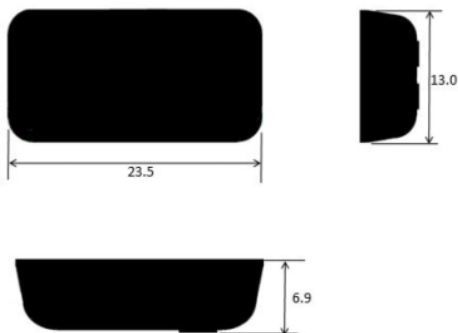
Applications

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

- ▶ Tools with plastic handles
- ▶ Containers for components
- ▶ Fixed or mobile industrial assets

Physical Specifications

Encasement	Durable Thermoplastic Material
Size (mm) (tolerance)	23.5 x 13 x 6.9 +/- 0.5
Size (in) (tolerance)	0.93 x 0.51 x 0.27 +/- 0.02
Weight (g)	3.5



Dimensions stated in mm

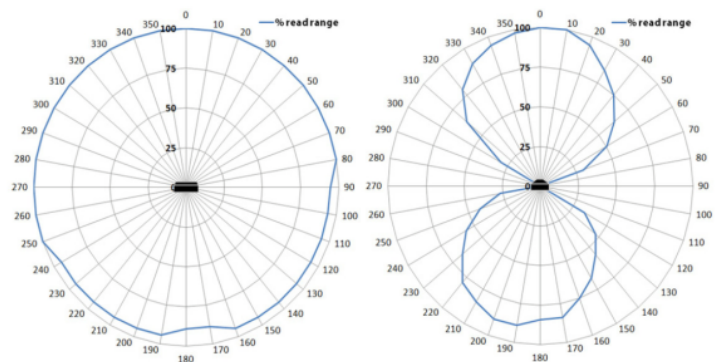
RF Specifications

Protocol	EPC Class 1 Gen2
Frequency Range (MHz)	866-868 (EU) 902-928 (US)
Read Range (Fixed reader) ¹	Up to 3.5m (11.5ft)
Read Range (Handheld reader) ¹	Up to 1.75m (5.7ft)
Material Compatibility	Optimized for Plastic assets
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.

Radiation Patterns

On Plastic



Related Products and Services

- ▶ **Omni-ID Exo 210** - Low profile, on metal RFID tag optimized for application to small metal assets.
- ▶ **Omni-ID Exo 400** - Small footprint tag with larger read distance optimized for small metal assets.
- ▶ **Omni-ID Fit 400P** - Small form factor, high performance RFID tag Optimized for attachment to plastic assets and embedding into plastic materials.
- ▶ **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	060 – EU, US :304 (ATEX/IECEX certified) :307 (US&Canada (C1D1/D2) certified) :701 (Standard Service Bureau) :702 (Custom Service Bureau)
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