



Omni-ID Prox® Fi

Omni-ID Prox Fi is a highly durable, small form factor tag designed to meet the needs of the tool and rental equipment industry. Compact and wrapped in electrical insulator, this tag can be covertly inserted into tools or equipment to ensure ultimate safety and security. The Prox Fi is rugged enough to withstand high temperatures, vibration and impact. The tag is global and will work across geographies.

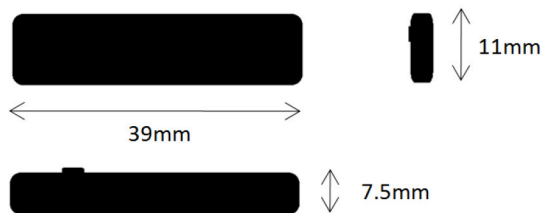
Applications

Omni-ID Prox Fi is perfect for applications requiring an embedded tag, such as tracking:

- ▶ Electrical hand tools.
- ▶ Construction equipment.
- ▶ Rental equipment.

Physical Specifications

Encasement	Polyolefin
Size (mm) (tolerance)	39 x 11 x 7.5 (+/- 0.5)
Size (in) (tolerance)	1.54 x 0.43 x 0.296 (+/- 0.02)
Weight (g)	4.0



Dimensions stated in mm

RF Specifications

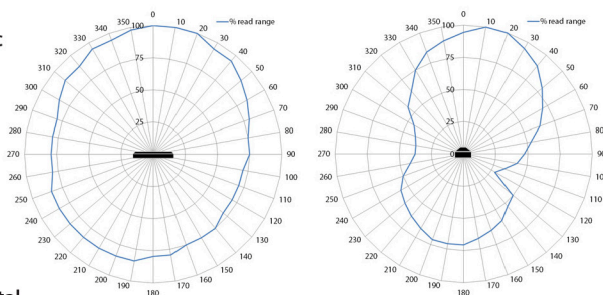
Protocol	EPC Class 1 Gen2
Frequency Range (MHz)	860–960 (global)
Read Range (Fixed reader) ¹	Up to 3.0m (9.8ft)
Read range (Handheld reader) ¹	Up to 1.5 (4.9ft)
Material Compatibility	Metal and non-metallic substrates
IC Type (chip)	Alien H3
Memory ²	EPC - 96bits User - 512bits TID - 64bits

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.

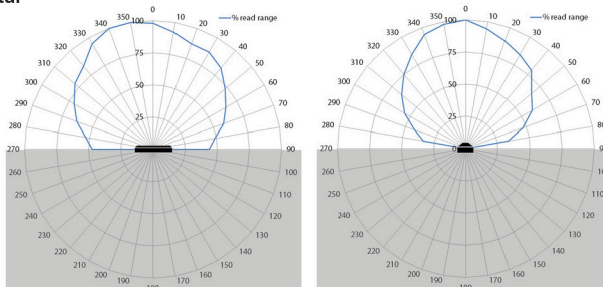
Radiation Patterns

On Plastic



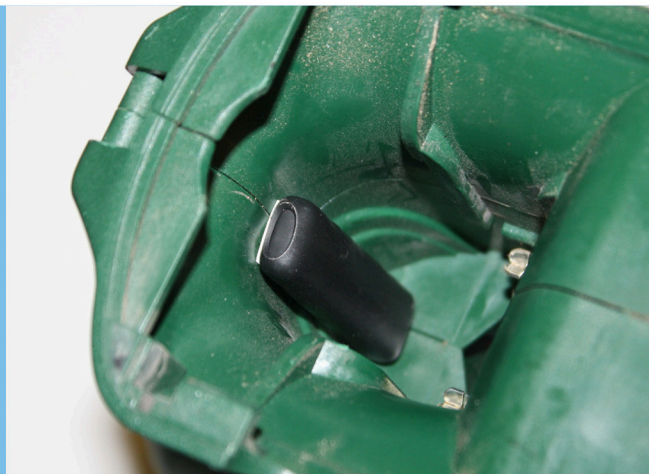
Large Metal

Sheet



Related Products and Services

- ▶ **Omni-ID Grip** - High durability RFID tag for strap attachment to narrow diameter tubular assets such as hoses and poles.
- ▶ **Omni-ID Fit 400 and 400 P**- Small footprint tags with larger read distance optimized for metal and plastic assets respectively.
- ▶ **Omni-ID Prox Label**- Small, consistent, product for mixed metal and plastic IT asset management environments.
- ▶ **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	IP65
Shock and Vibration	MIL STD 810-F
Impact	25kg from 1m
Attachment	Standard foam adhesive (standard) Film adhesive (option)
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	023- GS :304 (ATEX/IECEX certified) :307 (US&Canada (C1D1/D2) certified) :502 (film adhesive) :701 (Standard Service Bureau) :702 (Custom Service Bureau)
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atlasRFIDstore.com

1.888.238.1155 • Inside USA

1.205.383.2244 • Outside USA

info@atlasRFIDstore.com

www.atlasRFIDstore.com