



Omni-ID® Adept 400

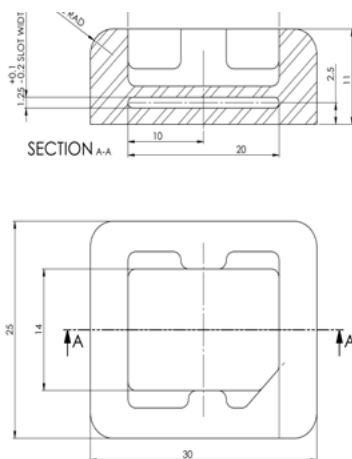
Applications

Designed for easy strap or adhesive attachment, the Omni-ID Adept 400 is perfect for industrial applications requiring high impact resistance, including MRO applications for identifying :

- ▶ Piping
- ▶ Valves
- ▶ Processing equipment

Physical Specifications

Encasement	Stainless Steel
Size (mm) (tolerance)	30 x 25 x 11 (+/-1.0)
Size (in) (tolerance)	1.18 x 0.98 x 0.43 (+/-0.04)
Weight (g)	45.0



Dimensions stated in mm

RF Specifications

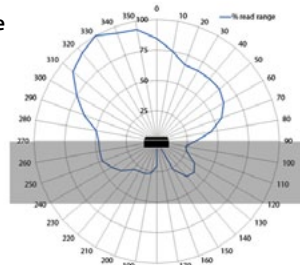
Protocol	EPC Class 1 Gen2
Frequency Range (MHz)	866-868 (EU) 902-928 (US)
Read Range (Fixed reader) ¹	Up to 2.5m (8.2ft) EU Up to 3.5m (11.5ft) US
Read Range (Handheld reader) ¹	Up to 1.0m (3.3ft) EU Up to 1.5m (4.9ft) US
Material Compatibility	Optimized for Metal substrates
IC Type (chip)	Higgs 3
Memory 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.

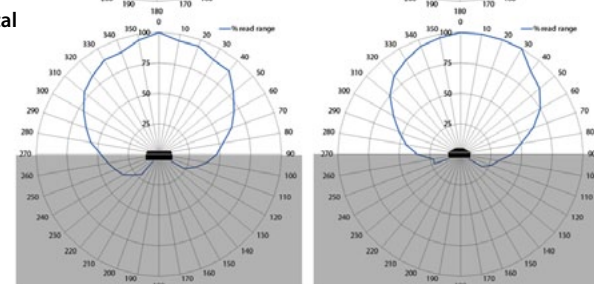
2. EPC and User memory are reprogrammable, TID is locked at point of manufacture.

Radiation Patterns

On Pipe

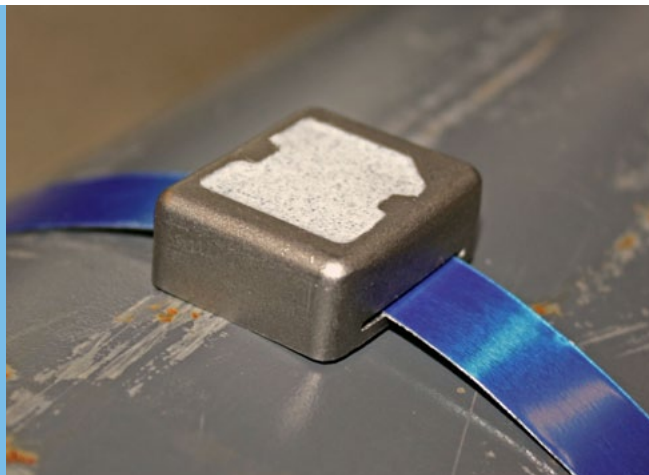


On Metal
Sheet



Related Products and Services

- ▶ **Omni-ID Pipe** - High impact RFID tag for strap attachment to cylindrical assets.
- ▶ **Omni-ID 360 °** - Extremely durable, high performance tether tag with 360 ° read angle for heavy industry applications.
- ▶ **Omni-ID Grip** - High durability RFID tag for strap attachment to narrow diameter tubular assets such as hoses and poles.
- ▶ **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)	+120°C
Short term Max Temperature ¹ exposure - (minutes,hours)	+150°C
IP Rating	IP68
Shock and Vibration	MIL STD 810-F
Impact ²	Resistant to face strike with sledgehammer
Attachment	Steel strapping or permanent adhesive (not supplied with product)
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.
2. Testing methodology available on request

Ordering Information

Order Numbers	049- US, EU :304 (ATEX/IECEX certified) :307 (US&Canada (C1D1/D2) certified) :701 (Standard Service Bureau) :702 (Custom Service Bureau) :704 (Single side laser mark)
---------------	---

For more information, contact:

Omni-ID Corporate Headquarters:

1200 Ridgeway Ave
Rochester, NY 14615 USA

European Office:

The Enterprise Centre
Coxbridge Business Park
Alton Road, Farnham, Surrey
GU10 5EH, United Kingdom

Asia Office:

Process Export zone
East of Road No.4 and South of Road No.2
Chengyang District
Qingdao
266113, P.R. China

For product or technology inquiries:

Email customer.services@omni-id.com

072012

