Omni-ID

Omni-ID® Adept 400

Designed for use in very harsh environments, the Omni-ID Adept 400 is ideal for attachment to pipes and fixed assets in remote production, extraction, and processing industrial facilities. Capable of surviving heavy impact, this global frequency tag is capable of surviving long term field use anywhere on the globe.
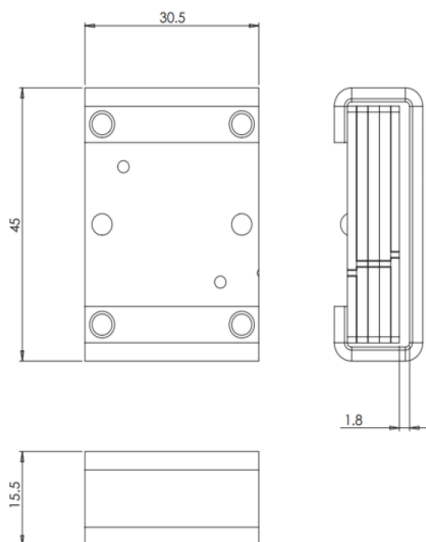
Building Intelligent Supply Chains

Adept 400 Global frequency tag is perfect for industrial applications requiring high impact resistance such as:

▸ Piping

▸ Valves

▸ Processing Equipment

Physical Specifications

Encasement	Metal encased and Ceramic core
Size (mm)	45 x 30.5 x 15.5
Size (in)	1.77 x 1.20 x 0.61
Weight (g)	94.0

Dimensions stated in mm
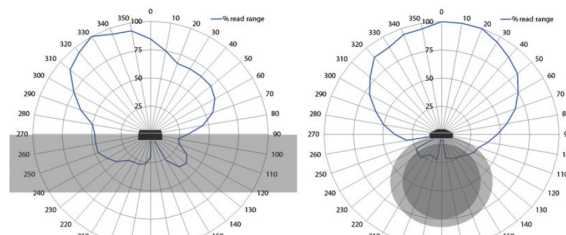
RF Specifications

Protocol	EPC Class 1 Gen2
Frequency Range (MHz)	860-930
Read Range (Fixed reader)[1]	Up to 2.25m (7.4ft)
Read Range (Handheld reader)[1]	Up to 1.35m (4.43ft)
Material Compatibility	Optimized for metal substrates
IC Type (chip)	Monza 4QT
Memory [2]	EPC - 128bits TID - 48bits User - 512bits

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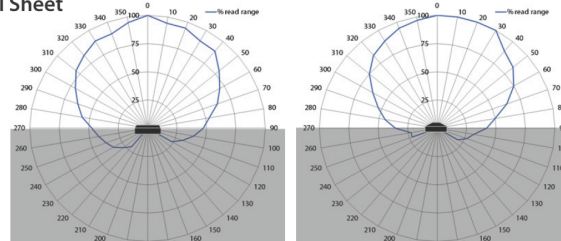
2. EPC and User memory are reprogrammable, TID is locked at point of manufacture.

Radiation Patterns

On Pipe

On Metal Sheet

Omni-ID®

Related Products and Services:

▸ **Omni-ID Dura 600 -** High performance global RFID tag designed to meet the diverse needs of logistics industries.

▸ **Omni-ID Adept 360° -** Extremely durable, high performance tether tag with 360 ° read angle for heavy industrial applications.

▸ **Omni-ID Exo 750 -** Global, long range on-metal RFID tag, in a small, square footprint, .

▸ **Service Bureau** - Omni-ID offers a full service bureau for printing and pre-encoding tags at point of manufacture.

Environmental Specifications

Operating Temperature	–20°C to +65°C
Max Temperature Exposure	-20°C to +65°C
Thermal Cycling Exposure	–20°C to +65°C or 0°C to +85°C
IP Rating	IP68
Shock and Vibration	MIL STD 810G
Impact[1]	Resistant to face strike with a sledgehammer
Attachment	Steel strap or welded
Certifications	RoHS approved CE approved ATEX/IECEx certified (option) US&Canada (C1D1/D2) certified (option)
Warranty	1 year

1. Testing methodology available on request

Ordering Information

Order Codes	115 GS
Option Codes	:303 Customization :304 (ATEX/IECEx certified) :307 (US&Canada (C1D1/D2) certified) :701 (Standard Service Bureau)

Certifications:

CE   ✓RoHS   ⬡Ex

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

atlasRFIDstore.com
1.888.238.1155 • Inside USA
1.205.383.2244 • Outside USA
info@atlasRFIDstore.com • www.atlasRFIDstore.com

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