

[Products] you can identify with



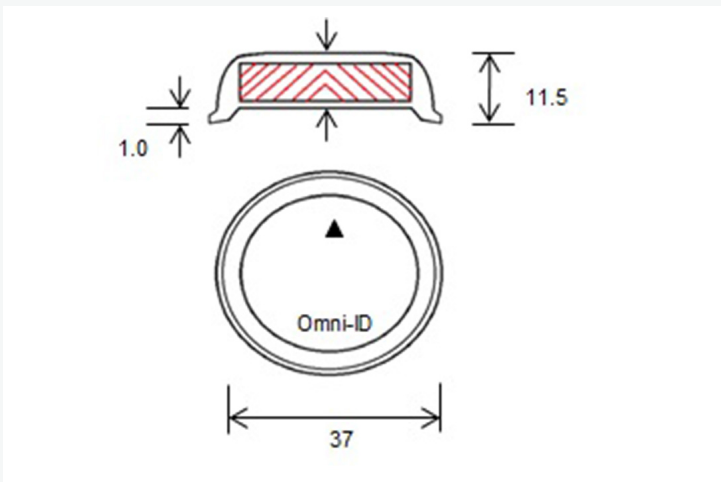
Adept 500

Omni-ID Adept 500 is a small circular UHF hard tag designed for permanent attachment to the shoulder of industrial gas cylinder assets. This RFID tag with its superior on-metal performance formed from durable high performance components, allows both portal and handheld reads in outdoor and harsh industrial environments.

Physical Specifications

Material	Durable thermoplastic material
Size	37 x 37 x 11.5 mm 1.46 x 1.46 x 0.45 in
Weight (g)	9.8
Attachment	Adhesive (standard)

Dimensions



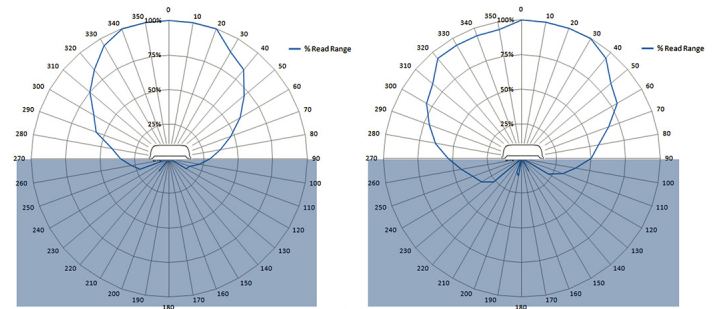
Measurements shown in mm

RF Specification

Radio Protocol	EPC Class 1 Gen2v2
Frequency Range	860 - 940 (GS)
Read Range - Fixed Reader	Up to 5.0m (16.40 feet)
Read Range - Handheld Reader	Up to 5m (16.5 feet)
On Metal or Balanced	Optimized for metal
IC Type (Chip)	Alien Higgs 3
Memory	EPC - 96 bits User - 512 bits Unique TID - 64 bits

EPC and User memory are reprogrammable. UTID is locked at point of manufacture by IC manufacturer.

Radiation Patterns



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With its high performance on metal and highly impact resistant thermoplastic elastomer casing, Omni-ID Adept 500 is ideally suited to industrial gas cylinder assets with radius of curvature greater than 40mm.

- Gas Cylinders
- Beverage Kegs

Environmental Specifications

Operating Temperature	-20°C to +65°C
Long term Max Temperature exposure	+65°C
Short term Max Temperature exposure	+75°C
IP Rating	IP68
Shock & Vibration Tolerance	MIL-STD-810 F

Ordering Information

Product Options	:304 (ATEX/IECEX certified) :307 (US&Canada (C1D1/D2) certified) :701 (Standard Service Bureau) :702 (Custom Service Bureau)
Part Number / Order Codes / Order Numbers	045 - (US,EU)

Certifications

CE, RoHS, ATEX/IECEX certified (option), US&Canada (C1D1/D2) certified (option)

