



Purchase Code: 500.768

UHF Tag Adept 500

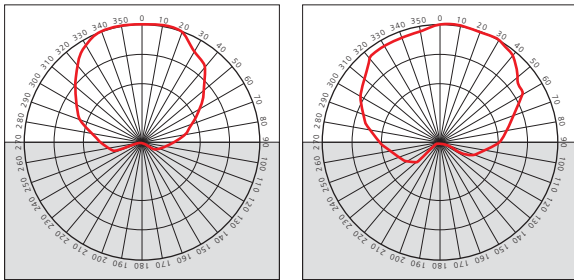
Omni-ID Adept 500 is a small circular UHF hard tag designed for permanent attachment to the shoulder of industrial gas cylinder assets. This RFID tag with its superior on-metal performance formed from durable high performance components, allows both portal and handheld reads in outdoor and harsh industrial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

• Applications

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.

• Radiation Patterns



On Metal

• Technical Specifications

Electrical Characteristics

Technology	UHF
Type	Passive
RF Protocol	EPC Class 1 Gen2, ISO 18000-6C
Frequency of Operation	902 - 928 MHz
Chip RFID	Alien Higgs 3
Memory	64 bits TID 96 bits EPC 512 bits User Memory
Read Range*	Up to 5 m - Fixed Reader Up to 5 m - Handheld Reader
Applications	Gas Cylinders Beverage Kegs

Operational Characteristics

Material Compatibility	Optimized for Metal
Encasement	Durable Thermoplastic Material
Dimensions [mm]	37 x 37 x 11.5 mm ± 1 mm
Weight	9.8 g
Operating Temperature	-20°C a +65°C
Short term Max Temperature	+75°C
Shock and Vibration	MIL STD 810 F
IP Rating	IP68
Attachment	Adhesive

* The reading distance may vary according to tag, antenna, cable and environment of use of the reader.