

UHF | RAIN - Hard Tags Xerafy - XS Series

- Comes with Alien Higgs 9 chip
- Temp resistant up to 220°C
- Up to 2 meter reading range
- Suitable for on metal mounting
- Available as in metal version



UHF | RAIN - XS Series Small, Rugged & On Metal

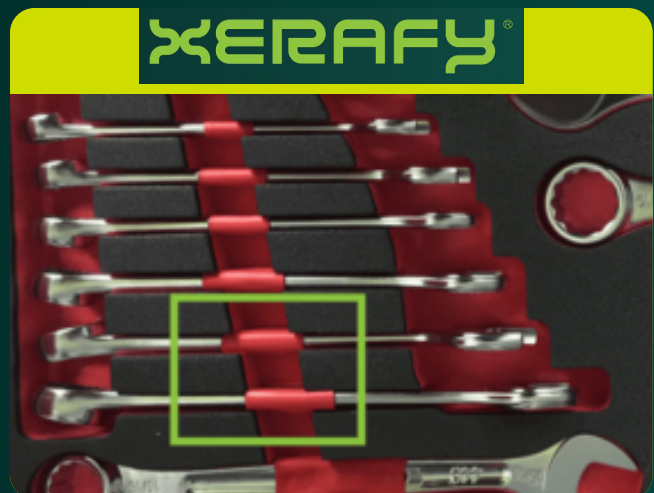
The XS Series from Xerafy delivers exceptionally small, rugged on-metal RFID tags designed specifically for item-level tracking in space-restricted applications. These tags are particularly suited for industries such as aerospace, healthcare, and oil & gas, where precision and durability are paramount.

The XS series stands out thanks to its ultra-small form factors combined with an impressive read range of up to 2 meters. These rugged tags are engineered to withstand high temperatures, shocks, and corrosive chemicals, making them perfect for challenging environments such as autoclave sterilization. They are also fully waterproof and offer advanced encoding options, ensuring reliable performance and data integrity.

Notably, the XS series can be embedded into metal, allowing for flush mounting, making them ideal for tracking smaller tools and equipment in critical applications.

Common Applications

- First choice for surgery equipment
- Best for aviation workshops
- Best for in metal processes
- Best for medical equipment
- The first choice for high temp



XS Dash



XS Dot



XS Wedge



OEM Part Number (P/N)	X4101-EU000-H9 (EU) X4101-US000-H9 (US)	X4102-EU000-H9 (EU) X4102-US000-H9 (US)	X4202-EU100-H9 (EU) X4202-US100-H9 (US)
Frequency	865-868MHz (EU) 902-928MHz (US)	865-868MHz (EU) 902-928MHz (US)	865-868MHz (EU) 902-928MHz (US)
IC type	Alien Higgs 9	Alien Higgs 9	Alien Higgs 9
Chip memory	48 bits TID / 96 bits EPC / 688 bits user memory	48 bits TID / 96 bits EPC / 688 bits user memory	48 bits TID / 96 bits EPC / 688 bits user memory
Read range on metal (fixed)	Up to 2 m	Up to 1.50 m	Up to 1 m
Read range off metal (fixed)	Limited	Limited	Limited
Material	Ceramic	Ceramic	Industry grade polymer
Mounting systems	Epoxy	Epoxy	Press fit, embedded
Operational temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Survival temperature	-40°C to +150°C	-40°C to +150°C	-50°C to +220°C
Compression strength	5,447 kPa	5,447 kPa	70 MPa
IP rating	IP68	IP68	IP68
Dimensions	12.30 x 3 x 2.20 mm	ø 6 x 2.50 mm	ø 10.30 x 4.60 mm
Weight	0,44 g	0.34 g	8 g
Applications	Hand tools and equipments MRO tool control Weapon management	Hand tools and equipments MRO tool control Weapon management	Onshore and offshore pipes Heavy equipment and tools Automotive manufacturing Industrial molds