Product Code XER006

PICO In

The Xerafy PICO In offers a highly reliable RFID proposition thanks to its unique embeddable design. Its breakthrough read distance to size ratio makes it ideally suited for OEM manufacturers looking to bring native RFID capabilities to their equipments for MRO, Oil and Gas, Energy and Military.

Fits small size

Powerful on-metal performance

Exceptional durability

Embeddable

Hi-Temp

Performance Characteristics

Read range (handheld)[1]	Up to 4.6 ft (1.4 m)
Read range (fixed)[1]	Up to 7 ft (2 m)
Polarization	Linear
Attachment	Epoxy, injection mould

1. Performance based on standard testing methodologies. Performance may vary depending on environmental factors and reader output power.
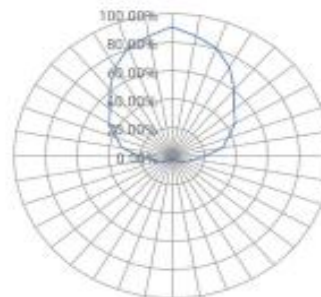
Functional Specifications

RF protocol	EPC global Class 1 Gen2
Frequency	902-928 (US) ; 865-868 (EU)
IC type (chip)[1]	NXP UCODE 8
Memory[2]	128 bits EPC,96 bits TID, User memory (optional)
Material	Ceramic

1. The chip data retention is up to 50 years, based on chip operating under general environment conditions.
2. EPC can be re-programmed, password protected, or permanently locked. TID is locked and unique at the point of manufacturing.

- Hand Tools and Equipments
- Oil Wells Equipments
- MRO Tool Tracking

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Radiation Pattern

Please contact us for more information
info@corerfid.com
+44 (0) 845 071 0985

PICO In

Environmental Specifications

Operational temperature	-30°C to +85°C
Survival temperature	-40°C to +150°C (long term)
Peak temperature	+220°C
IP rating	IP68
Shock (drop)	3 ft (1 m) to concrete/granite
Vibration	MIL-STD-810G

Industry Compliance

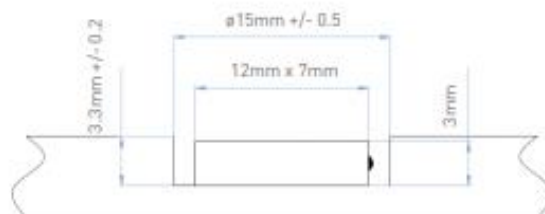|	
RoHS	EU Directive 2011/65/EU
CE	Yes
ATEX/IECEx	Compliant
Warranty	1 year

Order Information

X3210-US000-U8	PICO In US
X3210-EU000-U8	PICO In EU
Optional service	Encoding / Printing / Laser Etching

Product Dimensions and Weight

Dimensions (in)	ø 0.5 x 0.28 x 0.12
Tolerance	+/- 0.004
Dimensions (mm)	12.8 x 7.08 x 3.08
Tolerance	+/- 0.1
Weight	0.05 oz (1.4 g)
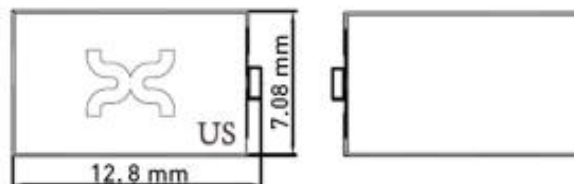
Installation Instructions

To properly embed PICO In, first prepare a socket to meet the dimensions shown in the socket dimension figure above.

1. Apply epoxy to bottom of tag
2. Position tag in center of socket
3. Fill in socket with resin
4. Make sure to fill any gaps between tag and socket wall
5. Allow resin to cure and tag is ready for use

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