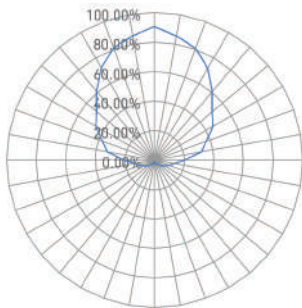




PICO IN

Technical Specifications

- **RF protocol** EPC global Class 1 Gen 2
- **Frequency** 902-928 MHz (US);
865-868 MHz (EU)
- **IC type (chip)**¹ NXP UCODE 8
- **Chip memory**² 128 bits EPC; 96 bits TID;
User Memory (optional)
- **Read range** fixed³ Up to 6.6 ft (2 m)
- **Read range** handheld³ Up to 4.6 ft (1.4 m)
- **Polarization** Linear
- **Radiation Pattern in metal**



Key features

- + **Embeddable in metal**
- + **Small size:** fits small assets
- + **Withstand high temperature:**
up to 220°C

Applications

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

Environmental Specifications

Temperature

- Operational -40°C to +85°C
- Survival -40°C to +150°C
(long term >168 hours)
- Peak temperature +220°C



- **IP rating** IP68
- **Shock (drop)** 3 ft (1 m) to concrete/granite
- **Vibration** MIL-STD-810G
- **Warranty** 1 year

¹ The chip data retention is up to 50 years, based on chip operating under general environment conditions.

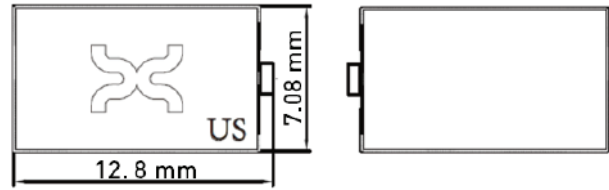
² EPC can be re-programmed, password protected, or permanently locked. TID is locked and unique at the point of manufacturing.

³ Performance based on standard testing methodologies. Performance may vary depending on environmental factors and reader output power.



Physical Specifications

- **Material** Ceramic
- **Dimensions (in)**¹ \varnothing 0.5 x 0.28 x 0.12
- **Dimensions (mm)**¹ 12.8 x 7.08 x 3.08
- **Weight** 0.05 oz (1.4 g)



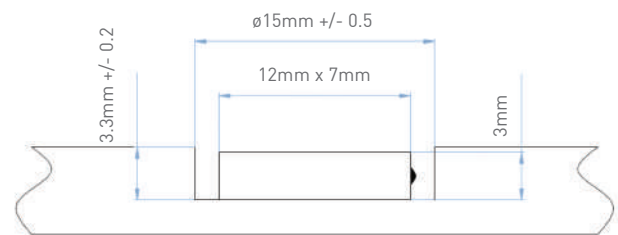
Mounting Systems

- Epoxy

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
6. Do not disturb newly mounted tag for at least 15 minutes to ensure proper adhesive seating.



¹ Tolerance: +/- 0.004; +/- 0.1

Industry Compliance



Order Information

PICO In US: X3210-US000-U8

PICO In EU: X3210-EU000-U8

Customization Options

Encoding

Laser Marking

Printing

ATEX Certified Version

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