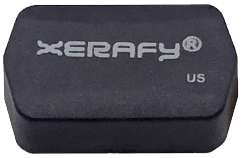
Pico Plus



The Xerafy Pico Plus relies on high-performance engineered polymer to offer the smallest and most rugged RFID on-metal tag to industrial applications where critical and potentially hazardous situations require reliable identification of assets. The IP68 rated tag achieves stunning read ranges and can be attached to hand tools, equipments and medical devices.

Fits small size

Powerful on-metal performance

Exceptional durability

High-Performance Engineered Polymer

Hi-Temp

- Manufacturing Hand Tools and Equipments
- MRO Tool Tracking
- Military Equipments Tracking

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Performance Characteristics

Read range (handheld)[1]	Up to 7 ft (2 m)
Read range (fixed)[1]	Up to 10 ft (3 m)
Polarization	Linear
Attachment	3M 9495 LE Adhesive

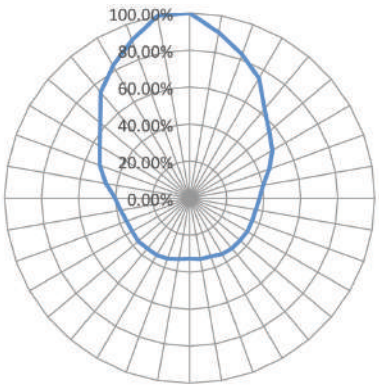
1. *Performance based on standard testing methodologies. Performance may vary depending on environmental factors and reader output power.*

Functional Specifications

RF protocol	EPC global Class 1 Gen2
Frequency	902-928 (US) ; 865-868 (EU)
IC type (chip)[1]	Alien Higgs-3
Memory[2]	96-EPC bits, 64-bit unique TID, 512 -bit user memory
Material	High-performance engineered polymer

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

Radiation Pattern



Pico Plus

Environmental Specifications

Operational temperature	-30°C to +85°C
Survival temperature	-40°C to +150°C (long term)
Peak temperature	+200°C
IP rating	IP68
Shock (drop)	3 ft (1 m) to concrete/granite
Vibration	MIL-STD-810G

Industry Compliance

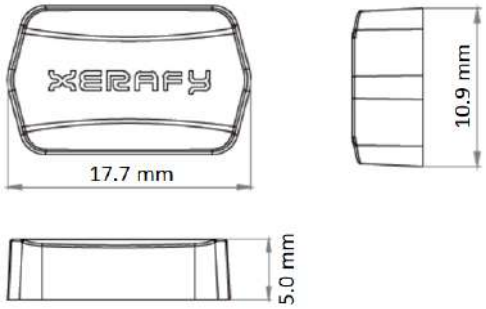
RoHS	EU Directive 2011/65/EU
CE	Yes
ATEX/IECEx	Compliant
Warranty	1 year

Order Information

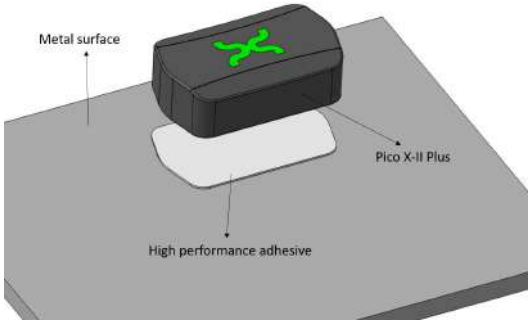
X3110-US101-H3	Pico Plus US
X3110-EU101-H3	Pico Plus EU
Optional service	Encoding / Printing / Laser Etching

Product Dimensions and Weight

Dimensions (in)	0.70 x 0.43 x 0.20
Tolerance	+/- 0.012
Dimensions (mm)	17.70 x 10.90 x 5.00
Tolerance	+/- 0.3
Weight	0.07 oz (2 g)



Installation Instructions



To obtain the maximum adhesion, the following steps should be taken:
1.Clean surface using Isopropyl alcohol, or equivalent solvent to ensure the surface is free of dirt, dust, oil, and other debris that may affect adhesion.
2.Peel adhesive liner from the back of the tag, ensuring the adhesive is not contacted.
3.Place tag in desired location and firmly apply even pressure for up to 30 seconds.
4.To ensure proper curing of adhesive, allow ample cure time of up to 12 hours before being handled.

About Xerafy

Xerafy designs and manufactures the world's toughest RFID tags to power Industrial IoT applications in Aerospace, Oil & Gas, Automotive, Healthcare and Manufacturing.

For Product inquiries: sales@xerafy.com
Singapore | China | US | UK

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