Micro X-II Paintshop

The Xerafy Micro X-II Paintshop is built to perform under extreme heat and repeated exposure to caustic fluids for applications such as hot water wash cycles and post-paint processes.

The tag can survive application temperatures of up to 250° Celsius, has an IP68 rating and a read range of up to 10 meters.

Versatile mounting techniques

Superior on-metal performance

Extreme durability and reliability

IP68 rated

Hi-Temp and Caustic Chemicals

Performance Characteristics

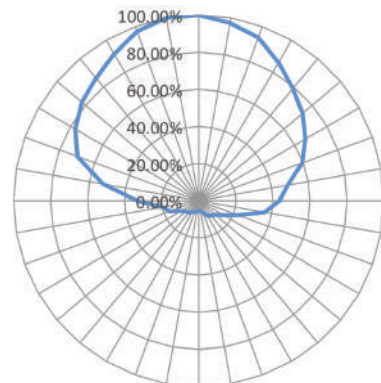|	
Read range (handheld)[1]	Up to 22 ft (7 m)
Read range (fixed)[1]	Up to 32 ft (10 m)
Polarization	Linear
Mounting system	Screws (Rivet hole, M3) Pop rivets (Max size 3.0mm)

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	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.

- Automotive Manufacturing
- Paintshop Skids
- Automotive WIP
- Supply Chains Tracking

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Radiation Pattern

√RoHS CE Ex REACH
2002/95/EC   COMPLIANCE

Environmental Specifications

Operational temperature	-40°C to +85°C
Survival temperature	-40°C to +250°C
Chemical resistance	Various caustic chemicals[1]
IP rating	IP68
Compression strength	181 psi (1250 kPa)
Shock (drop)	3 ft (1 m) to concrete/granite
Vibration	MIL-STD-810G

1. The chemical resistance is based on the concentration of solutions and application environment. Please contact Xerafy for further details on chemical resistance.

Industry Compliance

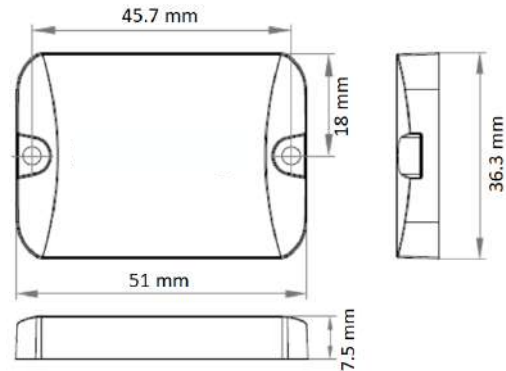|	
RoHS	EU Directive 2011/65/EU
CE	Yes
ATEX/IECEx	Compliant
Warranty	1 year

Order Information

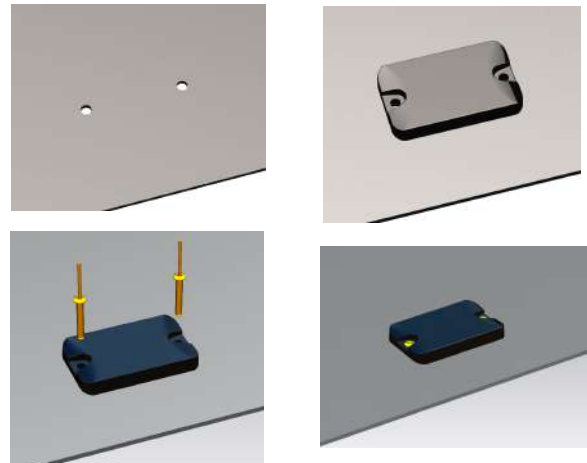|	
X1130-US130-H3	Micro X-II Paintshop US
X1130-EU130-H3	Micro X-II Paintshop EU
Optional service	Encoding / Printing / Laser etching

Product Dimensions and Weight

Dimensions (in)	2.01 x 1.43 x 0.30
Tolerance	+/- 0.02
Dimensions (mm)	51 x 36.3 x 7.5
Tolerance	+/- 0.5
Weight	0.92 oz (26 g)

Installation Instructions

Instructions for optimal performances:

1. Drill two holes on the subject metal surface.
   (ø 4 mm, pitch: 45.7 mm)
2. Insert two φ3.0mm (recommended size) rivets on the tag.
3. Fix the tag on the metal surface with a rivet gun.
   * Can also be attached via adhesive / epoxy.

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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