

Micro X-II Paintshop



The Xerify 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) |

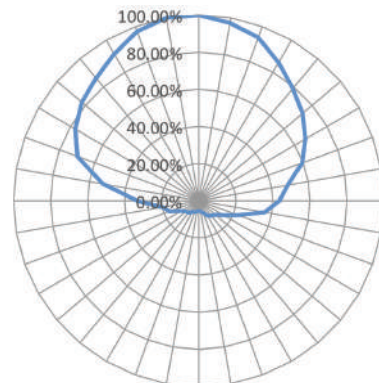
1. Performance based on standard testing methodologies. Performance may vary depending on environmental factors and reader output power.

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.

Radiation Pattern



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

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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 |

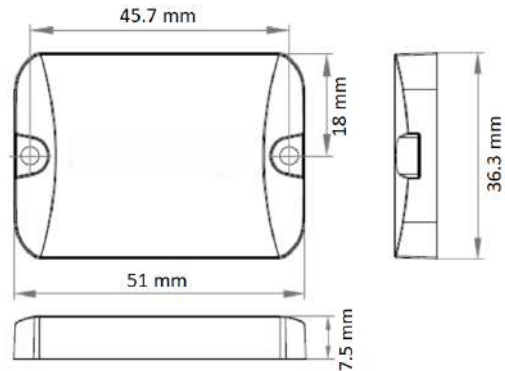
Order Information

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

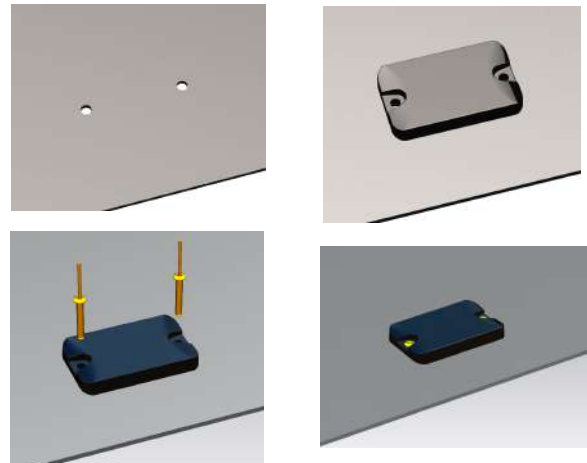


Product Dimensions and Weight

| | |
|-----------------|--------------------|
| 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.
(\varnothing 4 mm, pitch: 45.7 mm)
2. Insert two \varnothing 3.0mm (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
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