

## Beat the Heat!

Tags that Do More Surviving Xtreme Temperatures



Fit 210 | Fit 220 | Fit 400 | Exo 400

Best size to  
performance ratio  
in the Industry

Withstands  
repeated exposure  
to temperatures  
between  
225 – 235°C

Proven most  
consistent & reliable  
performance in  
industry

Performance,  
quality and  
survivability at  
best price points

### **Do More: Tags that can handle exposure to Xtreme heat, high pressure and corrosive chemicals.**

Looking for tags that not only has exemplary on metal performance, but can also survive repeated exposure in cycling applications in the harshest of environments? Our portfolio of High Temperature tags come in multiple form factors with a number of different attachment methods to meet any application requirements.

It is increasingly important that organizations have the ability to track assets in inventory as well as through a variety of processes. This is especially relevant in Manufacturing, Healthcare, Food Processing and the Energy industry. These industries frequently utilize processes where assets, products or the containers that they travel in are repeatedly exposed to elevated temperatures. From the sterilization of medical equipment to exploration drilling in the energy industry, the ability to reliably, uniquely identify and track an individual asset or container while in-process is essential. RFID has become increasingly popular in these applications to not only track assets; but in regulated industries such as healthcare and energy, to maintain asset history records for compliance purposes.

## Omni-ID Xtreme High Temperature Tags Consistently Beat the Heat

Most high temperature ceramic tags in the marketplace are rated to 150°C. We've set the bar higher with our range of Fit tags that survive up to 235°C. Not only can we easily perform in the typical 150-degree autoclave applications, but higher heat survivability means full sterilization is achieved in the significantly shorter time period demanded by health care!

Higher temperatures are also often required for exploration drilling in the oil & gas industry. High temperatures are generated by repeated pressure from downhole drilling, often produced by friction. Where fire, chemical exposure and high pressure is a reality, Omni-ID's rugged, high temperature tags are an ideal fit.

With a variety of tags that are capable of surviving temperatures up to 235°C, Omni-ID has the broadest, most capable portfolio in the market for industrial applications ... from very small ceramic tags to a very rugged encased tag — and coming soon — a printable, global hang tag! With our extensive testing and research, we've proven that these are the most versatile and reliable tags on the market!

### Fit 210, 220 and 400

- Smallest tags in the market with survival temps to 235°C
- Longest read ranges in the market for the size of the tags — up to 4m
- Proven consistent performance versatile and reliable tags on the market!

### Exo 400

- Highly durable rugged encasement
- Variety of attachment methods
- Survival up to 235°C in cyclic applications
- Read range up to 4m

## Products and Applications



### Fit 210

With the thinnest, lowest profile form factor, the Fit 210 UHF High temperature RFID tag is capable of surviving 225°C thermal cycling applications and is designed to meet the demands of medical sterilization.

**Key Product Specifications:** Size 57.1 × 5.95 × 1.3 mm, regional frequency (EU, US), operating temperature -20 to +85°C with a maximum temperature exposure of -20 to +225°C, IP68 rating, and Alien Higgs 3 IC.



### Fit 220

The Fit 220 is an extremely small form factor High Temperature RFID tag capable of surviving 235°C thermal cycling applications. The performance of the Fit 220 tag is not sacrificed by its small size and is an ideal solution for tracking very small metal assets where space is limited.

**Key Product Specifications:** Size 6.8 × 6.8 × 2.7 mm, regional frequency (EU, US), operating temperature -20 to +85°C with a maximum temperature exposure of -20 to +235°C, IP68 rating, and Alien Higgs 3 IC.



### Fit 400

The Fit 400 is a small form factor, High temperature tag capable of surviving cycling applications with temperatures to 235°C. Don't sacrifice performance for size. When space is limited but performance is demanded, the Fit 400 is the solution.

**Key Product Specifications:** Size 13.1 × 7.1 × 3.1 mm, regional frequency (EU,US). Operating temperature -20 to 85°C with a maximum temperature exposure of -20 to +235°C, IP68 rating, and Alien Higgs 3 IC.



### Exo 400

Optimized for metal, the Exo 400 is a rugged encapsulated ceramic tag capable of surviving temperatures to 235°C. Ready for deployment in a variety of applications without sacrificing read range performance, the Exo 400 is ideal for automotive paint booths, jigs and tools, oil and gas drilling and pipes, and food processing containers.

**Key Product Specifications:** Size 37 × 14 × 5.9 mm, regional frequency (EU, US), operating temperature -20 to +85°C with maximum temperature exposure of -20 to +235°C, IP68 rating, and Alien Higgs 3 IC.

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