



Beat the Heat

Tags that Do More Surviving Xtreme Temperatures

| Fit 210HT | Fit 220HT | Fit 400HT | Exo 400HT | IQ 400P HT | IQ 800P HT

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

Looking for tags that not only have 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, to automotive paint processes, 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.

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, to a printable global hang tag, through our extensive testing and research, we've proven that these are the most versatile and reliable tags on the market!

Key features:

Best size to performance ratio in the Industry.

Withstands repeated exposure to temperatures between 225°C – 235°C.

Proven most consistent & reliable performance in industry.

Performance, quality and survivability at best price points.



Healthcare



Industrial



Manufacturing



Fit 210HT

With the thinnest, lowest profile form factor, the Fit 210HT 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 220HT

The Fit 220HT 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 400HT

The Fit 400HT 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 400HT

The Exo 400HT is an extremely small form factor High Temperature RFID tag capable of surviving 235°C thermal cycling applications. The performance of the Exo 400 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.



IQ 400P HT

The IQ 400P HT is a high temperature, synthetic RFID hang tag ideally suited for single use applications and capable of surviving temperatures up to 230°C. Optimized for thermal barcode printers, the IQ 400P HT is designed to perform best in applications where the inlay of the tag hangs away from the metallic asset.

Key Product Specifications: Size 50 × 30 × 0.49 mm, global frequency (GS). Operating temperature of -40°C to 85°C with a maximum temperature exposure of -40°C to 230°C, IP68 rating and Alien Higgs 3 IC.



IQ 800P HT

Global Frequency, the IQ 800P HT is a durable single use hang tag capable of surviving temperatures to 230°C. Easy to deploy, this tag optimizes performance in applications where the inlay of the tag hangs away from the metallic asset. An ideal tag for high temperature paint processes.

Key Product Specifications: Size 85 × 55 × 0.49 mm, global frequency (GS). Operating temperature of -40°C to 85°C with a maximum temperature exposure of -40°C to 230°C, IP68 rating and Alien Higgs 3 IC.

Omni-ID Xtreme High Temperature Tags Consistently Beat the Heat

Fit 210HT, 220HT and 400HT

- 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 400HT

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

IQ 400P HT and 800P HT

- Durable single use hang tag
- Global frequency with survival up to 230°C
- Ideal for manufacturing paint processes
- Read range up to 8m



Intelligent Tracking & Monitoring Devices

Omni-ID is the leading supplier of passive, low-profile UHF RFID solutions. Through our patented technology, Omni-ID “cracked the code” to overcome the problems traditionally associated with RFID, enabling a broad range of new applications that improve accuracy and efficiency in asset tracking, supply chain management and work-in-process.

Our family of versatile RFID tags works reliably in the harshest environments, including on, off, and near metal and liquids and excels in solving tracking and identification challenges with unprecedented accuracy.

With offices in the USA, UK, Asia and India backed up by a purpose-built manufacturing facility in China, our mission is to drive the widespread adoption of RFID and wider IoT technologies as the optimal tracking and identification devices.

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