

# New in The RFID Shop

April 2016



The RFID Shop offers a range of ATEX certified tags. These tags can be safely employed on equipment that is used in potentially explosive areas.



Our partner HID Global have achieved ATEX certification for their Glass Tags, IN Tags and Logi Tags according to the latest EU standards. The RFID Shop offers the entire range of these tags that can be safely used in potentially explosive environments.

## What is ATEX?

ATEX is the name commonly given to **the two European Directives for controlling explosive atmospheres**, ATEX Workplace Directive and ATEX Equipment Directive.

Explosive atmospheres can be caused by flammable gases, mists or vapours or by combustible dusts. If there is enough of the substance, mixed with air, the slightest source of ignition can cause an explosion.

Explosions can cause loss of life and serious injuries as well as significant damage.

## What does ATEX equipment certification certify?

ATEX certification validates that our HID Global RFID tags **operate without danger of directly causing or contributing to an explosion** when used in flammable gas environments. These environments include offshore drilling platforms, petrochemical plants, mines, flourmills and other process industries in which there is a mixture of gases, vapors, mists or dust in the air that can ignite at specific temperatures or under certain operating conditions. ATEX certification **also validates that the company's RFID tags perform while maintaining surface temperatures low enough to prevent the risk of ignition.**

Here is The RFID Shop's range of ATEX certified tags:



HID Global's **Glass Tag** passive contactless transponders can be easily inserted or molded into a variety of materials, to enable automated asset identification and management applications using radio frequency identification (RFID).

Manufactured with patented HID Global direct-bonding technology, these tags deliver exceptional size to performance ratios, in both low frequency and high frequency applications.

The glass enclosure ensures reliable transponder performance, despite potentially harsh conditions in finished tag production and field use.



**IN Tag** passive contactless RFID transponders deliver reliable performance in rugged conditions. Each heavy-duty IN Tag disc is highly water, chemical and shock resistant, ATEX certified for use in explosive environments and withstands peak temperatures up to 140° C.

Low frequency (LF) IN Tag discs perform well affixed to virtually any surface. They offer reliable, cost-effective tagging for near-proximity reader applications.

The HID Global **Logi Tag**<sup>™</sup> family of products enables uniform companies, commercial cleaners and medical facilities to automatically track clothing, linens, rags, surgical sponges and other assets, resulting in more accurate, efficient inventory management.



Compliant with standard RFID readers and modules, Logi Tag discs are easily sewn into the hem or seam of a garment, uniform, napkin, tablecloth or runner. They may also be affixed to custodial supplies, such as mats, mops, washrags and towels.

The Logi Tag Button 162 transponder is virtually indistinguishable from ordinary buttons, and can be sewn onto clothing with standard stitching equipment and processes.

Logi Tag discs endure severe conditions while protecting data integrity.

Do you want to know more about ATEX certification and how to decipher the ATEX designation code? Have a look at our in-depth guide on: <http://rfipblog.wordpress.com/>



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