

## RFID HARD TAG HT019

### MARKETS:



Industry



Logistics



Healthcare

### COLOUR:



Black

The HT019 is a highly resilient RFID hard tag made from epoxy resin, a thermosetting polymer capable of withstanding liquids, impacts, abrasion, extreme temperatures, weathering, and acids. It's fully compatible with standard RFID readers and modules and is **ATEX certified** for safe use in potentially explosive environments. This round tag is remarkably **small and lightweight, with a diameter of 16 mm, a height of 3 mm, and weighing just 1 gram!** Its compact size allows it to be discreetly sewn, embedded, or glued onto or **within non-metallic surfaces**. Available in black with an **EM4200 chip for LF** (Low Frequency) applications, it can be customised with a logo via pad printing.

### MARKETS

With an IP68 rating, the HT019 is highly resistant to dust and water, and its compact dimensions enable a wide range of applications. **In commercial laundries within logistics systems**, the HT019 ensures accurate item counting and **real-time inventory control**. In the **medical field**, it automatically tracks clothing, linen, rags, surgical tools, sponges, and life-saving equipment, enabling effective **traceability of reusable assets and cleaning/sterilisation operations**. This significantly improves procedures and enhances the safety of patients and hospital staff, thereby strengthening infection control. **For workflow automation**, this tag can be discreetly concealed within hems or seams of garments, uniforms, and supplies like rags and towels, where it can be sewn in like a button.



frequency 125 kHz

#### RFID features

Chip	Memory	ISO standard
EM4200	0 bytes - UID: 8 bytes	ISO 11784 / 11785

#### Technical specifications

<b>Application</b>	Non-metal surfaces
<b>IP rating</b>	68
<b>Dimensions</b>	ø 16 mm, h 3 mm
<b>Material</b>	Epoxy resin
<b>Weight</b>	1 g
<b>Application method</b>	Sewing, embedding or gluing
<b>Operating and storage temperature</b>	-40°C ~ +85°C
<b>Max temperature</b>	+160°C

#### Customisation

<b>Colour</b>	Black
<b>Type of printing</b>	Pad printing

