



HT019 is an RFID hard tag made of epoxy resin, a thermosetting polymer that is resistant to liquids, impacts and abrasion, extreme temperatures, weather and acids. Compliant with standard RFID readers and modules, it is **ATEX certified** for safe use in potentially explosive environments.

Round in shape and **small in size and weight** – it weighs **1 gram** with a **16-mm diameter** and **3-mm height!** – this tag can be discreetly applied – sewn, embedded or glued – to **non-metal surfaces**. It is black, available in **LF with the EM4200**

chip and can be customised with a logo using pad printing.

MARKETS

Its compact size and IP68 rating, which ensures high resistance to dust and water, make it suitable for a wide range of applications. **For commercial laundry logistics**, HT019 ensures accurate item counting and **real-time inventory management**.

In the medical field, it automatically tracks clothing, linens, surgical cloths, sponges and life-saving equipment, thus effectively **tracking reusable resources** and

cleaning/sterilisation operations to improve procedures and safety for patients and hospital staff, thereby also enhancing infection control.

For workflow automation, the label can be discreetly concealed – sewn like a button – in the hems or seams of garments, uniforms and supplies such as cloths and towels.



frequency 125 kHz

RFID features

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

Technical specifications

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

Customisation

Colour	Black
Type of printing	Pad printing

