RFID HARD TAG HT004

HT004 is an RFID bin tag made of PA6 (nylon), a plastic material **resistant to tensile stress and compression, wear, and weather.** The resin coating is made of PUR or polyurethane, which features good **resistance to water, salt and moisture**. Round in shape, the bin tag is designed for application on waste-collection bins. Its standard size — **30.5 mm in diameter** — makes it easy to install and integrate into metal or plastic containers. The special screw structure prevents tampering and theft. HT004 can be customised with embossing and is available in **LF — with SIC279 and EM4200 chips** — in black and red, and **in UHF, both European and US, with the HIGGS 3 chip,** in black.

MARKETS

With an **IP67** protection rating, the HT004 hard tag is ideal for **waste identification in door-to-door pay-as-you-throw waste-collection operations.** In municipalities where door-to-door pay-as-you-throw waste collection is applied — with payment based on the amount of unsorted waste produced and delivered by users — bin tags allow for precise data collection, eliminating the possibility of human error.

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LF frequency 125 kHz

RFID features		
Chip	**Memory**	**ISO Standard**
EM4200	0 bytes - UID: 8 bytes	ISO 11784 / 11785
SIC279	16/24 bytes	ISO 11784 / 11785

UHF European frequency (EU) 868 MHz - US frequency 920 MHz

RFID features		
Chip	**Memory**	**ISO Standard**
HIGGS 3	64 bytes - TID: 8 bytes - EPC: 60 bytes	ISO 18000-6C / EPC Class 1 Gen 2
HIGGS 3 US	64 bytes - TID: 8 bytes - EPC: 60 bytes	ISO 18000-6C / EPC Class 1 Gen 2

Technical specifications	
Application	Metal / non-metal surfaces
IP rating	67
Dimensions	ø 30.5 mm, h 14.7 mm
Material	PA6 - potting PUR
Weight	10 g
Application method	Screws
Operation temperature*	EM4200: -40°C ~ +85°C; SIC279: -25°C ~ +70°C; HIGGS3: -40°C ~ +70°C
Storage temperature*	EM4200: -40°C ~ +90°C; SIC279: -40°C ~ +85°C; HIGGS3: -40°C ~ +70°C

*Temperatures change according to chip type

Customisation	
Colours	LF frequency: black, red; UHF frequency: black
Type of printing	Embossing