

RFID HARD TAG GT002

MARKETS:



Waste
management



Industry

COLOUR:



Transparent

The GT002 is a **"glass tag,"** a miniature RFID transponder made from transparent, chemically inert, and highly versatile glass. Cylindrical in shape, it's available in **two compact sizes: ø 2.12 x 12 mm and ø 3 x 13 mm.** These small dimensions allow the tag **to be easily embedded into any surface, both metallic and non-metallic** (such as plastic, wood, paper). **The glass's inherent high resistance protects the electronic components** from exposure to aggressive chemical substances, ensures readability remains unaffected even when submerged in liquids, and provides excellent stability across varying temperatures.

The GT002 is transparent, available with **EM4200 and EM4305 chips in LF (Low**

Frequency), and can be customised using laser technology.

MARKETS

The GT002 glass tag boasts an **IP68 rating**, making it completely hermetic to fumes and dust, and resistant to prolonged water immersion. It is also **ATEX certified**, ensuring safe use in potentially explosive environments. Designed **for waste management and industrial applications**, including the identification and automated management of resources, it's perfectly suited for monitoring tools, equipment, pharmaceutical products, production inventories, metal drums, gas cylinders, and waste containers.



frequency 125 kHz

RFID features

Chip	Memory	ISO Standard
EM4200	0 bytes - UID: 8 bytes	ISO 11784 / 11785
EM4305	64 bytes - UID: 4 bytes	ISO 11784 / 11785

Technical specifications

Application	Metal and non-metal surfaces
IP rating	68
Dimensions	ø 2.12 x 12 mm and ø 3 x 13 mm
Material	Glass
Application method	Embedding
Operation temperature	-25°C ~ +85°C
Storage temperature	-40°C ~ +90°C
Max temperature	+120°C for 100 hours, +140°C for 10 hours

Customisation

Colour	Transparent
Type of printing and numbering	Laser technology

