



GLASS TAG

High Security for Animal Identification

The Smartrac Glass TAG is a flexible and reliable solution for pet, livestock and fish identification, pigeon race and identification of laboratory animals.

It is a flexible solution for secure animal identification that withstands most chemicals and harsh environment circumstances (Immersion IP68). The transponders are available in several sizes and frequencies.

Smartrac's Glass TAG are equipped with an OTP microchip. Thereby, several data rates can be programmed and data can be encoded via configuration word in EEPROM. Read and write access to EEPROM can be protected with a 32-bit password and a unique ID.

The Glass TAG made out of biocompatible glass are manufactured in Germany under superior standards. Fully automated machines ensure constant quality on highest possible level.

The glass transponders are suited for applications where data shall only be read from the transponder (Read Only) as well as for applications where data shall be written to and read from the chip (Read/Write mode) thus providing a high security level. Thanks to providing a unique ID, the transponders allow for easy handling with minimum effort.

All glass tags undergo a 100% test regarding optical, mechanical and electrical parameters prior to delivery thus guaranteeing highest quality standards.

Overview

Operating Frequency

134.2 kHz \pm 3 kHz

125.0 / 128.0 kHz \pm 3 kHz

Operating Temperature

-25°C to +85°C

Material

Biocompatible glass

Transponder Baud Rates

f(RF)/64, f(RF)/32,

f(RF)/16, f(RF)/8

Transponder Coding Types

- ▶ Manchester
- ▶ Biphase
- ▶ ASK & PSK

International Standards

- ▶ ISO 11784/85
- ▶ FDX-A and FDX-B
- ▶ HDX

Options

- ▶ Programming of customized data
- ▶ Parylene C coating
- ▶ Supply with sterilized syringes or cannulas

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| Dimensions | Frequency | Package | Available IC | Product Code |
|------------------|------------------------|---------------|-------------------|----------------|
| Ø 1.25 × 8.3 mm | 134.2 kHz | 1,000 per bag | EM 4305 OTP | 704587 |
| Ø 1.41 × 8.3 mm | 128.0 kHz | 1,000 per bag | EM 4305 OTP | 704488 |
| | 134.2 kHz | 2,000 per bag | EM 4305 OTP | 704487 |
| Ø 2.12 × 12.0 mm | 125.0 kHz 134.2 kHz | 2,500 per bag | Atmel ATA5575 OTP | 744021 (FDX-A) |
| | | 2,500 per bag | Atmel ATA5575 OTP | 744027 |
| | | 1,000 per bag | EM 4305 OTP | 953006 |
| | | 1,000 per bag | NXP HTS256 OTP | 722027 |
| | | 1,000 per bag | NXP HTS2048 OTP | 723027 |
| Ø 3.15 × 13.3 mm | 128.0 kHz 134.2 kHz | 1,000 per bag | EM 4305 OTP | 704119 |
| | | 1,000 per bag | EM 4305 OTP | 704117 |
| Ø 3.85 × 23.0 mm | 134.2 kHz | 1,000 per bag | EM 4305 OTP | 953007 |
| | | 1,000 per bag | SIC7999 HDX | 780217 |
| Ø 3.85 × 32.0 mm | 134.2 kHz | 1,000 per bag | EM 4305 OTP | 953008 |
| | | 1,000 per bag | SIC 7999 HDX | 780257 |

Other dimensions are available upon request.
Requested volumes must be multiples of package

Contact: Animal Identification

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