

T-IP 8010 FDX-B TRANSPONDER

according to ISO Standard 11784



Customer benefits:

- Totally passive, no battery
- Miniaturised for animal implantation
- Permanent code with 15 digits
- Identification codes in accordance with ISO Standard 11784
- 6 adhesive bar coded labels
- Sterilised by EtO gas
- In disposable one-way syringe
- Extremely durable

Product description:

The transponder is encapsulated in a bio-compatible polymer tube and is preloaded into a spring assisted syringe. The RFID transponder measures just $11.4 \pm 0.4 \times 2.18 \pm 0.05$ mm. Inside the capsule is an antenna coil and a microchip, which requires no battery and contains the indelible RFID identification code. The code cannot be manipulated and is unique worldwide.

The reader communicates with RFID transponder via low power, low frequency radio waves. The passive (no battery) transponder transmits its preprogrammed unalterable code, identifying the animal at high speed and without any possibility of error, through any non-conductive material.

Example of identification number:

Country: CHE > CHE is the alphabetic description of the country
756098100110256 > 756 is the numeric description of the country +
12 digits ID code

RECOMMENDED IMPLANTATION SITES

- For dogs subcutaneous on the left side of the neck, behind the ear, lateral of the fourth to the fifth cervical vertebra
- For cats subcutaneous on the left side of the neck, behind the ear, lateral of the fourth to the fifth cervical vertebra
- For horses in the centre of the left side of the neck either intramuscular (M. rhomboideus) or in the dorsal fat

TECHNICAL DATA:



Size (L x Ø)	11.4 ± 0.4 x 2.18 ± 0.05 mm
Weight	0.100 g
Operating temperature	-25°C to +70°C
Storage temperature	-40°C to +90°C
Passive, without battery	
Code structure	128 bits conforming to ISO Standard 11784
Working Frequency	134.2 kHz
Memory capacity	Total Memory 512 bits 64 bits required for ISO Standard 11784
Reading distance	Up to 30 cm
Housing	Bio-compatible polymer, FDA approved
Packaging	Box of 10 transponder each
Subject to change without notice	

DATAMARS' innovative RFID-based solutions are the result of 20 years of industry experience that have enabled the company to establish itself as the global market leader in the companion animal identification market. Having driven the development of ISO standards for companion animal identification, DATAMARS works with pharmaceutical companies, shelters, kennel clubs and charitable organizations to deploy its unique pet identification and reunification solution to improve the lives of companion animals around the world.

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