

MICROCHIPS FOR ANIMAL USE

RFID (Radio Frequency Identification)

A simple, easy and reliable electronic identification system for dogs, cats, horses and other animals:

- Transponder (Chip)
- Application systems
- Reader

Product Information

- The RFID transponder (also called “chip”) is a very small electronic wonder, packed in a bio glass capsule.
- The transponder is as small as a rice corn.
- The transponder contains a radio sender unit and a radio receiver unit.
- The transponder is coated with an anti-migration coating; the same material is used to coat pacemakers.
- The transponder is ISO compliant (11784/11785).
- The chip is injected under the skin of an animal and stays there for lifetime. The injection is as simple and harmless as a regular vaccination.
- The chip only becomes active when a reader transmits radio signals and activates the chip. The unique number can be read on the reader's display.
- The transponder has no battery and can be read lifelong.
- The number of the transponder is stored in databases together with the personal details of the owner.
- The transponder has a worldwide unique number (300 billion possibilities).

Technical Characteristics

Two transponder dimensions:

- Diameter :2.12 mm ± 0.1 mm
- Length :12.0 mm ± 0.4 mm
- Weight: 95 mg, ± 5 mg
- OR
 - Diameter: 1.4mm ± 0.1 mm
 - Length: 8mm ± 0.4 mm
 - Weight: 30 mg, ± 5 mg
 - Material: Bio-glass, 8625; transparent color
 - Coating: perylene.
 - Passive transponder, only transmits when activated by a reader
 - No battery needed (lifelong readable)
 - Frequency: 134.2 kHz ± 6 kHz
 - ISO compliant, ISO standard 11784/11785.
 - ICAR approved manufacturer: 945
 - Waterproof.
 - Resistance to immersion in salt water, alcohol, oil, 10% HCl and Ammoniac (t = 100 hours)
 - Mechanical Shock IEC 68-2-29 (30g, 18ms, 3 axis x 1084 time/axis)
 - Vibration IEC 68-2-6 (6g, 14Hz – 200Hz, 3 axis, 8h/axis)
 - Thermal Storage range - 40° - + 90° Celsius, up to 1000 hours
 - Operating range - 0° - + 50° Celsius

MICROCHIP READER

1. Reading standard: 11784/5
FDX-B& EMID
FDX-B&EMID
2. Reading distance:15cm
3. Working frequency:134 2Khz
4. Operation language: English
5. Charging method: USB
6. Charging voltage:5V
7. Certification: CE. ROHS

