das trovan® Identifikationssystem

ID 100(1,4) Injectable Transponder



Technische Daten:

Total size:	∅ 1,4 x 8 mm
Weight:	0,03 g
Material:	Bio-Glas
Reading Distance:	100 mm (abhängig vom Leser)
Temperature:	-20 °C bis +75 °C
Protection:	IP 68
Erregerfrequenz:	128 kHz
Code:	40 bit, ROM, Read-Only
Übertragung:	PSK

Nadel:

Cannula:	Stainless steel, special grind.
Latch:	Plastic Luerlock
Size:	Outside -∅: 2,0 mm,
	Length: 32 mm
Packaging:	Blister with paper seal.
Sterilization:	Gas
Manufacturing:	according to GMP

The injectable passive transponder system is a proven electronic solution for animal identification that has been successfully used for decades.

The microtransponder, no larger than a grain of rice and implanted beneath the skin, contains a tamper-proof, globally unique identification code. More than 500 billion different codes are available. In recent years, transponders have become increasingly smaller, making implantation particularly easier and less invasive for small animals.

The transponder is activated by electromagnetic waves emitted by the reader. It then transmits its identification code to the reader, where the code is decoded, stored together with the date and time for further processing on a computer, and displayed on the LCD screen.
The reader can be connected to a computer via an RS232 or USB interface. Bluetooth is also optionally available for handheld readers.

Injektion:

Each transponder is individually packaged in a sterile needle and supplied ready for use.

The needle containing the transponder can be quickly attached to the injector via the Luer-Lock connection. Both disposable and reusable injectors are available.

The needle, with its special double-bevel tip, creates a puncture channel. Inside the needle is a stylet (mandrin), which, together with the injector, ensures that the transponder remains in position.
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The tissue behind the transponder closes immediately. Only a small incision of approximately 2 mm remains, which heals quickly and without complications.



Injektor IID170

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Technical changes without notice