The trovan® Identification System

ID 100C Injectable Transponder



For decades, the injectable passive transponder system has provided a reliable electronic solution for animal identification that does not cause discomfort to the animal.

The micro-transponder, no larger than a grain of rice sitting under the skin, contains a worldwide unique code.

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

Injection:

Each transponder is delivered individually packaged in a needle, sterilised and ready for use.

The needle, with the transponder inside, is quickly connected the special injector via the Luer-Lock connection. This allows the user to perform many injections per hour.

The needle forms a stitch channel with its special double grind. Inside the needle is a core rod (stylet). This, together with the injector, ensures that the transponder is held in its position during injection.

The tissue behind the transponder closes immediately. A small incision of approx. 2.6 mm remains, which heals quickly and without complications.

Specifications:

Total size:	approx. ∅ 2,12 x 11,5 mm
Weight:	0,1 g
Material:	Bio-Glas
Reading Distance:	150 mm (depending on reader)
Operating Temperature:	-25 °C bis +85 °C
Storage Temperature:	-40 °C bis +90 °C
Protection:	IP 68
Frequency:	128 kHz
Code:	64 bit EPROM, Read-only

Needle:

Cannula:	Stainless steel, special grind.
Latch:	Plastic Luerlock
Size:	Outside-∅: 2,6 mm, Length: 32 mm
Packaging:	Blister with paper seal. 6 Labels with ID number and Barcode 39-format.
Sterilization:	Gas
Manufacturing:	according to GMP

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We reserve the right to make technical changes