



## ID 100 FDX-A Transponder

The implanter passive transponder system provides for the first time an electronic means of animal identification which does not cause discomfort to the animal. The miniature transponder, not larger than the tip of a pencil, lodged just below the skin provides all the information needed.

For its operation, the passive transponder does not need a battery and can be interrogated by a hand held or stationary reader at a distance, regardless of the angle of scan, light or environmental conditions. The transponder is electro-magnetically activated by the reader. The activated transponder transmits its unique code to the reader. There, the code is forwarded to a decoder logic for code analysis, and is simultaneously displayed on the LCD and stored in the reader for immediate or future processing.

### Specifications

<b>Overall Size</b>	Approx 2.2 x 11mm (0.085 x 0.43 in.)
<b>Weight</b>	0.09grams (90mg)
<b>Identification Code</b>	64 Bits
<b>Scan Angle</b>	Spherical
<b>Transmit Time</b>	119 µs / BIT (8375 BAUD)
<b>Storage Temperature</b>	-40 °C to +130 °C
<b>Operating Temperature</b>	-40 °C to +100 °C
<b>Operating Frequency</b>	128 kHz
<b>Humidity</b>	Submersible



With Scanner Type	Reading Distance up to (cm)
LID560	up to 4.0
LID575	up to 7.0
LID572	up to 4.5
GR 250	up to 24.0
AREH5	up to 11.0

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