

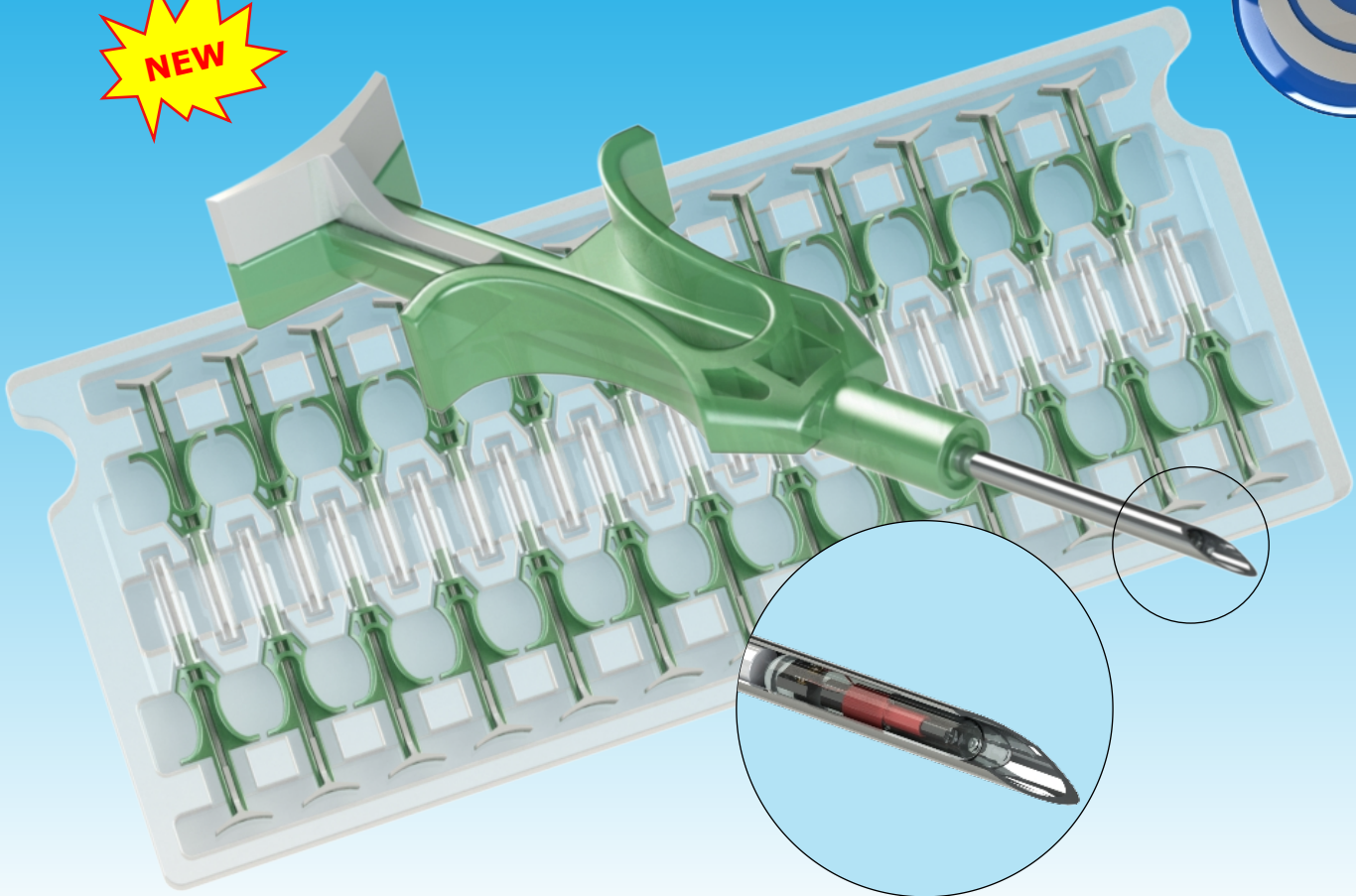
# Bio Medic Data Systems

# XPT

# 100

X-tra small Programmable Transponder

**NEW**



The XPT-100 is a miniature glass-encapsulated multi-functional programmable transponder. This remarkable new transponder features a smaller by magnitude size of 8 millimeters in length by 1.4 millimeters in diameter. Yet, as a fully programmable device, the user can program directly into this transponder, a 32 character user code, made up of letters, numbers or special characters. This user code can be added to or locked. Moreover, there is available, an additional 10 digit factory code. This fixed code cannot be changed and is unique to each transponder. This additional code can be used as a supplementary or back up ID.

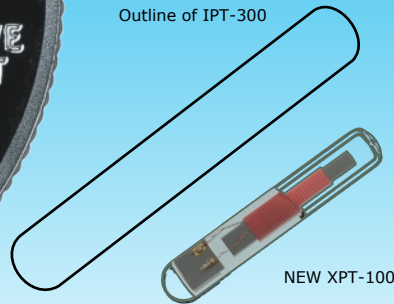
The XPT-100 can be scanned, read, or programmed by an appropriate BMDS reader or probe, without the need for a special programming station. Meaningful ID makes animal identification quick, easy, and fail-safe. In addition, you can create a map file that can be loaded to the reader that allows the user ID to be cross referenced to additional data.

Complimentarily, the BMDS DASHost™ software facilitates importing data into widely used applications such as Microsoft Excel™, offers a menu driven solution to collecting data from various sources (scales, calipers, etc.) and provides an ingenious method to receive, map, control and route data. Despite its small size, it has a read distance of 3 inches, making it suitable for universal applications. Designed for harmless implantation, BMDS transponders are the most convenient, humane, reliable, and cost effective method for automated animal identification.



Size Comparison 4X Actual

Outline of IPT-300



NEW XPT-100

**XPT** 100

## Compatible with

RSP-8025 (READ/WRITE)
DAS-8027 (READ/WRITE)
RSP-8005 (READ ONLY)
DAS-8007 (READ ONLY)

## Features and Benefits for XPT 100

- **Read Distance:** approx. 3 inches (76 millimeter);
- **Size:** 1.4 millimeters in diameter and 8 millimeters long;
- **Biocompatibility:** The XPT-100 transponder is encased in glass suitable for all laboratory species and has excellent tissue compatibility. Transponder is coated with Parylene Type C\* which also fully bio-compatible;
- **Needle:** 15 gauge stainless steel, OD 0.071 inches (1.8 millimeter);
- **Memory:** 32 characters programmable with letters, numbers or special symbols. Programmed ID can be fully or partially locked by user from accidental overwrite. Additionally, there is a non-volatile 10 hex digit unique factory code that is fixed.
- **Anti-Migration:** The XPT-100 is coated with a micro thin coating of Parylene Type C\*. Coating provides bonding process with the tissues

### Convenient and Easy to Use

Injected with a syringe-like action, XPT-100 transponders are preloaded in a disposable needle assembly. The ergonomic design of this one-piece tool fully integrates the handle, stainless steel needle, and drive pin. Packaged in boxes of 100, needle assemblies (one transponder each) are processed through an ethylene oxide cycle for sterilization. No assembly is required. Transponder can be preprogrammed in a needle assembly or after implanted in an animal. Pick it up, remove the needle cap, implant the transponder, and dispose— all in one clean operation.

*For additional information for this or any other products please contact BMDS*

### \*About Parylene Type C Coating

Parylene Type C (or simply Parylene C) coating will encourage tissue encapsulation to prevent transponder migration. The coating forms a surface which allows for tissue fiber adhesion within the animal subcutaneous layer thereby bonding around the XPT-100 transponder holding it in place. Parylene C coatings are used in many animal applications as well as for human medical use. Examples are pacemakers, forceps, catheters, stents, needles, implantable devices, and many more have a Parylene C coating. The coatings have been proven to prevent rejection of the item and speed up the bonding process with the tissues. Parylene C is fully bio-compatible. Parylene C has been FDA-approved (with USP XXII Class VI biocompatibility rating) and is safe for use within the human body. Parylene C has also passed the ISO10993-1/FDA biocompatibility evaluation tests for cytotoxicity, system toxicity, hemocompatibility, sensitization, and intracutaneous reactivity.

[www.BMDS.com](http://www.BMDS.com)