

HPT9



ISO Compliant
FDX-B

High-Performance
PIT Tag

BI09.B.01V1

The **Biomark HPT9 FDX-B** Passive Integrated Transponder (PIT) is a radio frequency identification (RFID) device that complies with the specifications of ISO Standards 11784 and 11785, and is compatible with reading systems designed in compliance with these standards. This PIT Tag is packaged in a laser-annealed glass ampoule that measures 9 mm in length and 2.12 mm in diameter. The Biomark HPT9 PIT Tag is designed specifically for subcutaneous or intramuscular implantation in animals, including fish and wildlife species.

FEATURES

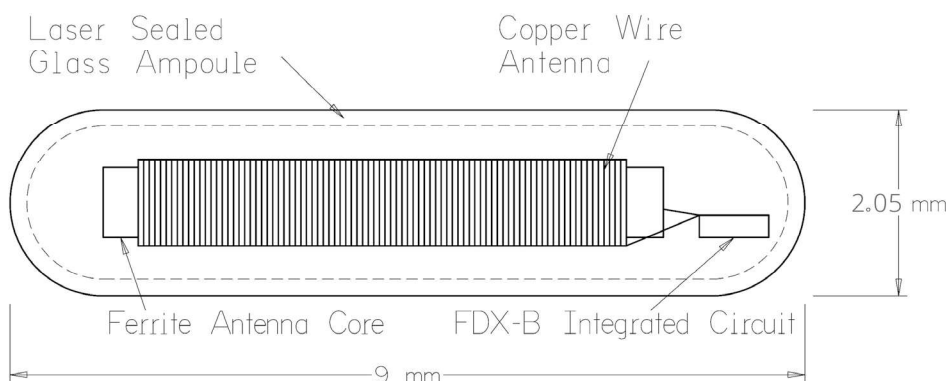
- › Enhanced read range performance
- › Low-frequency 134.2 kHz operation
- › 64-bit identification code
- › ISO 11784/11785 FDX-B compliant
- › Biocompatible glass encapsulation

APPLICATIONS

- › In-vivo animal identification
 - Fisheries (marine and fresh water)
 - Small & large mammals
 - Reptiles & amphibians
 - Birds & bats
- › Generic object identification
 - Rocks
 - Trees
 - Plants

IMPLANTERS

- › MK10 Syringe with N125 needle
- › MK7 Combo
- › Biomark pre-load system
- › Biomark pre-load sterile



Physical & Environmental >>

<i>Dimensions</i>	9 mm (± 0.4 mm) L X 2.12 mm (± 0.1 mm) diameter
<i>Weight</i>	65 mg (± 15 mg)
<i>Antenna Type</i>	Ferrite
<i>Operating Frequency</i>	134.2 kHz
<i>ISO Conformance</i>	ISO 11784 (ID code compatibility), ISO 11785 (communications protocol)
<i>Duplex Mode</i>	FDX-B
<i>Manufacturer Code</i>	985 per ICAR assignment
<i>Encapsulation Material</i>	Biologically inert glass
<i>Read Distance</i>	Antenna, reading system, and tag orientation dependent — see Reader-Antenna specification sheet
<i>Read Speed</i>	18 reads/second (ISO rate) / 32 reads/second (continuous)
<i>Read Orientation</i>	$0 \pm 60^\circ$ in both axes from optimal alignment with antenna
<i>Powering</i>	Inductively powered from transceiver reading equipment