

HIGH PERFORMANCE PIT TAGS

# MINI HPT10

FDX-B PIT TAG



**Biomark**



**Mini HPT10** 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 hermetically sealed glass ampoule that measures 10.3 mm in length and 1.41 mm in diameter. The Biomark MiniHPT10 PIT Tag is designed specifically for subcutaneous or intramuscular implantation in fish and wildlife.

## PIT TAG IMPLANTERS

Compatible with the MK165 syringe with N125 needle. Also available in a pre-load individual option and pre-load sterile syringe.

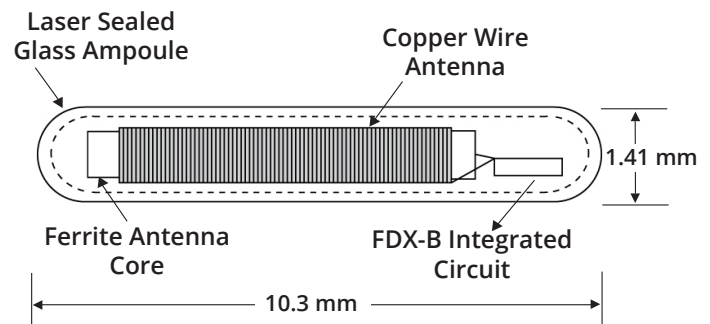
## FEATURES

- 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 & fresh water)
  - Small & Large Mammal
  - Reptiles & Amphibians
  - Birds & Bats
- Generic Object Identification
  - Rocks
  - Trees
  - Plants

## MINI HPT10 PIT TAG & DIAGRAM



ALL BIOMARK PIT TAGS ARE 134.2 KHZ, ISO 11784/11785 COMPLIANT AND ICAR APPROVED.

<b>Dimensions</b>	10.3 mm ( $\pm 0.3$ mm) L X 1.4 mm ( $\pm 0.10$ mm) diameter
<b>Weight</b>	35 ( $\pm 0.6$ mg) mg
<b>Antenna Type</b>	Ferrite
<b>Operating Frequency</b>	134.2 kHz
<b>ISO Conformance</b>	ISO 11784 (ID code compatibility), ISO 11785 (communications protocol)
<b>Duplex Mode</b>	FDX-B
<b>Manufacture Code</b>	989 (3DD) & 984 (3D9)
<b>Encapsulation Material</b>	Biologically inert glass
<b>Read Distance</b>	Antenna, reading system, and tag orientation dependent
<b>Read Speed</b>	18 reads/second (ISO rate) / 32 reads/second (continuous)
<b>Read Orientation</b>	$0 \pm 60^\circ$ in both axes from optimal alignment with antenna
<b>Powering</b>	Inductively powered from transceiver reading equipment



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