HIGH PERFORMANCE PIT TAGS

MiniHPT8™

FDX-B HIGH-PERFORMANCE PIT TAG

Biomark®

The Biomark **MiniHPT8** FDX-B Passive Integrated Transponder (PIT) Tag 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 8.4 mm in length and 1.4 mm in diameter. The Biomark MiniHPT8 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

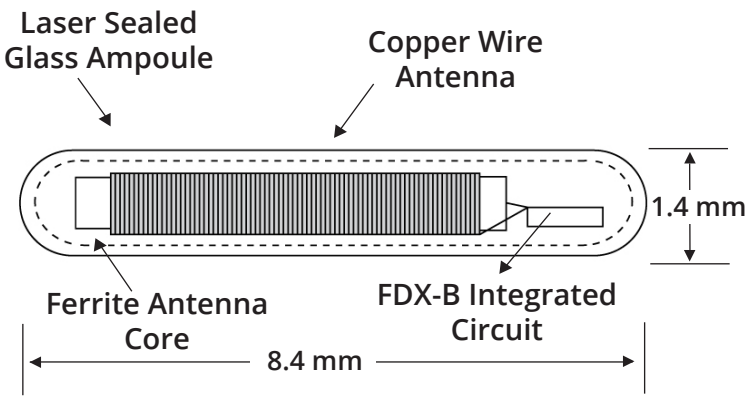
APPLICATIONS

- In-vivo Animal Identification
  - Fisheries & Aquaculture
    - Marine & fresh water
    - Commonly used for shrimp
  - Small & Large Mammals
  - Reptiles & Amphibians
  - Birds & Bats
- Generic Object Identification
  - Rocks
  - Trees and Plants

MiniHPT8 IMPLANTERS

- MK165 syringe implanter + N165 needle
- The MiniHPT8 is available in the Biomark Pre-load Sterile system that is prepackaged in a single use syringe/needle implanter with peel-off tag code labels
- Biomark pre-load trays, non sterile, pair with the MK65 implanter

MINI HPT 8 PIT TAG & DIAGRAM



Specifications	Description
PHYSICAL & ENVIRONMENTAL	
Dimensions	8.4 mm (±0.3 mm) L X 1.4 mm (±0.1 mm) diameter
Weight	30 mg (±6 mg)
Antenna Type	Ferrite
Operating Frequency	134.2 kHz
ISO Conformance	ISO 11784 (ID code compatibility), ISO 11785 (communications protocol)
Duplex Mode	FDX-B
Manufacturer Code	982 per ICAR assignment
Encapsulation Material	Biologically inert glass
Read Distance	Antenna, reading system, and tag orientation dependent — see Reader-Antenna specification sheet
Read Speed	18 reads/second (ISO rate) / 32 reads/second (continuous)
Read Orientation	0 ± 60° in both axes from optimal alignment with antenna
Powering	Inductively powered from transceiver reading equipment

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