

DAS-8027 IUS Wireless Reader System

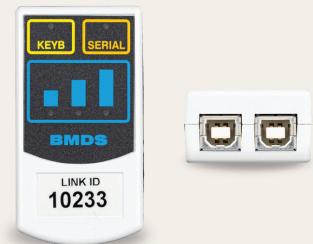


DAS-8027 IUS Overview

The DAS-8027 Reader is a wireless reader system for reading ID data from, and programming ID data to, BMDS Programmable Micro-Transponders. Importantly, the DAS-8027 can fully function with both the current XPT-100, IPT/IPTT-300 transponder family. This new unit has full 32 characters write capability to the XPT-100 and the ability to retrieve the optional ten-character fixed ID from the XPT-100. Smartly, the reader will automatically sense whether the scanned transponder is an IPT, IPTT, or XPT type and switch modes automatically. With this feature, the XPT-100 will seamlessly integrate into your Lab Animal Facility without switching reader or probe types. One elegant solution, for all your data collection needs.

The DAS-8027 IUS has a combined display for displaying captured ID data and for providing a control interface for various menu driven options. As a portable system, DAS-8027 IUS can be paired to a small optional communications module that provides a wireless data link between the reader and a computer. The reader comes with a recharging adapter and the lithium rechargeable batteries are user replaceable.

The 8000-CM Wireless Communication Module makes the DAS-8027 IUS Wireless Capable



The optional 8000-CM Wireless Communications Module allows data collected by the reader to transfer data directly to a computer. It includes both USB serial and USB Keyboard Output.



**DAS-8027 IUS
With Optional
Stand**

BMDS Transponder Compatibility

XPT-100

IPT-300

IPTT-300/IPTT-300 HTEC

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Specifications

Technical Characteristics

- Super bright OLED display
- Separate sequencing LED indicating active scan providing better feedback to user
- Hybrid scanning coils that produces more forward read zone
- Time and date stamp
- Full menu-driven setup with password protection
- Good read and data transmit indication
- 12 volt international power supply for recharging
- Direct power and charging via barrel connection 12 volt international power supply
- Battery: Two 3.7 Li-ion 3000mAH user replaceable
- Available with optional Communication Module for wireless transmission
- Wireless over secure P2P ZigBee protocol 903MHz ISM Band (Industrial, Scientific, Medical)



Programming Booster Coil

Operation

There is a complete user menu that provides features such as timestamp, ID storage, setup, programming, temperature display, and battery level. The wireless communication module includes both a USB serial port and a USB keyboard output. Powered by the USB connection, each module has a unique "Link ID" number that the user can program into the reader for creating a dedicated wireless communications link. Signal strength indication is provided with a 20' receive distance.

The reader can also be used directly connected to recharging adapter in auto mode. Such usage, the reader continues to charge, thus making sure the unit is always ready for portable operation. Though the DAS-8027 IUS is primarily a hand-held system, there are special order options for stand mounting, an optional wired USB serial, and direct power barrel connection.



DAS-8027 IUS with silicone boot protective covering and reader stand for hands-free applications.