

DAS

8010

Smart Probe Interface

The BMDS DAS-8010 represents the simplest and most compact of the available systems for interfacing to BMDS Smart Probes.

**DAS-8010 shown with optional
Smart Probe RSP-8005**



The DAS-8010 Smart Probe Interface is part of a two piece system for getting and receiving data from BMDS implantable Micro-Transponders. In use, it is connected and partnered to a BMDS Smart Probe; either a RSP-8004 probe for reading IMI Micro-transponders or a RSP-8005 probe for reading IPT- 300/IPTT-300 transponders. The DAS- 8010's dual role is to provide clean isolated power to the probe while receiving the captured transponder data back from the probe. This transponder data is then formatted and sent out its various output data ports for connection to a computer or terminal.

There are three data ports: USB Serial, USB Keyboard and RS232 Serial with a DB9 connector. There is LED indication for USB connection status and probe connection verification. In addition to verifying that the probe is properly connected, the DAS-8010 will automatically communicate with the probe upon power up to determine the probe serial and delimiter settings. Regardless of the serial baud rate, the unit will always buffer and transmit data out it USB keyboard output at a slower HID (Human Interface Device) compatible data rate.

As a two way interface, the DAS-8010 also enables serial communication directly to the probe. This allows access to all of the BMDS Smart Probe features and advance functions via BMDS application software.

DAS 8010

Features & Benefits

- LED Indication of USB Connection Status
- Front Power Switch for BMDS Smart Probe
- Base for Stability and Threaded Insert for Mounting Options
- Single International Power Supply
- Isolation Circuitry to Protect Performance
- Main Unit: 1.80" Wide by 4.74" High by 2.85" Depth (Including base: 3.0 W, 5.4 H, 3.2 D)
- Smart Probe Input Port using 6 pin Custom Cable
- USB Serial Port (Full Size)
- USB Keyboard Port (Full Size)
- RS-232 Serial DB9 Connection
- 12 Volt Power Supply Barrel Connection

The DAS-8010 uses a tri-microprocessor design allowing autonomous port control that is independent of the probe interface. Three Atmel ATxmega32C microcontrollers with updatable firmware on single board construction using all surface mount components for reliability.

Transponder Compatibility

IMI-500

IMI-1000

IPT-300

IPTT-300

Companion Configurations

RSP-8004

RSP-8005

SP-6004/5

RSP-6004/5

RR-6004/5

VSP-7005

*Other configurations possible

Kit S5 - IMI Includes:

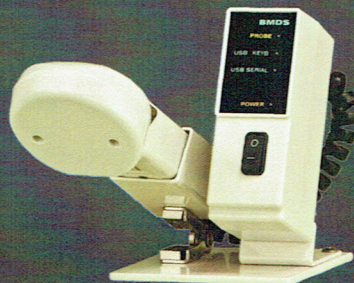
RSP-8004

DAS-8010

Adjustable SP Adapter

Coiled Cord

Power Supply



Kit S5- IPTT Includes:

RSP-8005

DAS-8010

Adjustable SP Adapter

Coiled Cord

Power Supply



Kit S6 - IMI Includes:

RSP-8004

DAS-8010

SP Stand

Coiled Cord

Power Supply



Kit S6- IPTT Includes:

RSP-8005

DAS-8010

SP Stand

Coiled Cord

Power Supply

