

DAS 8020

Data Display and Interface



**RSP-8020 shown with optional
Smart Probe RSP-8005**

The DAS-8020 Data Acquisition unit is part of a two piece system for reading the ID 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-8020'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 displayed, and can be sent out its various output data ports for connection to a computer or terminal.

The DAS-8020 comes with a heavy metal base but can also be configured to mount directly to the Smart Probe stand with no additional parts.

There are three data ports: USB Serial, USB Keyboard and RS232 Serial with a DB9 connector. There is a front panel switch for turning off both the unit and the attached probe. In addition to the bright easy to read display there is LED indication for USB connection status and probe power.

DAS 8020

Features & Benefits

- 20 Character by 2 Line OLED Bright Display
- LED Indication of USB Connection Status
- Front Power Switch for Probe and Display
- Heavy Base for Stability
- Single International Power Supply
- Isolation Circuitry to Protect Performance
- Can Display Both Original ID and Mapped ID Simultaneously
- 4.2" Wide by 3.8" High by 2.3" Depth (Including base: 4.2" Depth)
- 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-8020 makes use of two microprocessors, one for data transmission and one for the advanced OLED display. This provide a very robust platform for data integrity and future flexibility. USB ports are kept active at all times to avoid port resets on the interfacing computer. Digital Isolation is used for the RS-232 to avoid RF noise contamination via a computer.

Transponder Compatibility

IMI-500
IMI-1000
IPT-300
IPTT-300

Companion Configurations

RSP-8004
RSP-8805
SP-6004/5
RSP-6004/5
RR-6004/5
VSP-7005

*Other configurations possible

Kit S7 - IMI Includes: Adjustable SP Adapter
RSP-8004
DAS-8020
Coiled Cord
Power Supply



Kit S7 - IPTT Includes: Adjustable SP Adapter
RSP-8005
DAS-8020
Coiled Cord
Power Supply



Kit S8 - IMI Includes:
RSP-8004
DAS-8020
SP Stand
Coiled Cord
Power Supply



Kit S8 - IPTT Includes:
RSP-8005
DAS-8020
SP Stand
Coiled Cord
Power Supply

