



PLEXX

Electronic ID

- ◆ Animal Identification
- ◆ Transponders, Readers & Probes
- ◆ Temperature Monitoring
- ◆ Data Acquisition Systems
- ◆ Accessories & Software







Animal Identification, Temperature Monitoring and Data Collection Systems

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TRANSPONDERS

IMI-1000 Read-Only Transponder / 11051



The IMI-1000 (Implantable Micro Identification) is a biocompatible glass encapsulated passive transponder. Enclosed is a microchip that provides a unique, unalterable ten digit alphanumeric code, making positive, fail safe automated animal identification quick and easy. The issue of product safety in laboratory animals is addressed in publications from one and two year chronic tissue evaluations of the microchip implant which have been conducted since the development of the IMI-1000 in the 1980's.

To prevent migration in the animal, these transponders are provided with a patented anti-migration device.

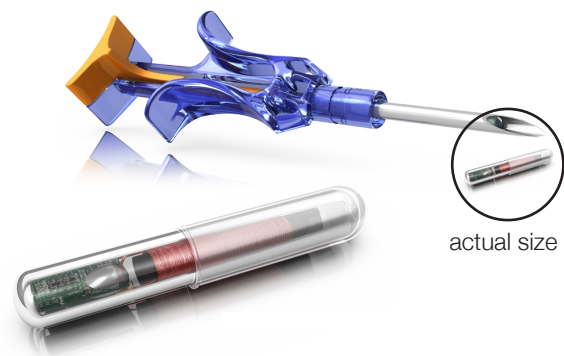
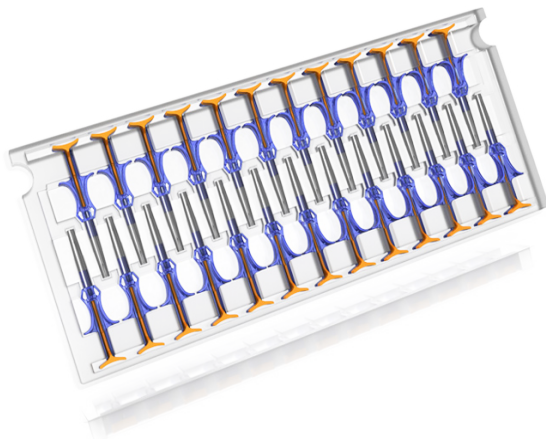
One case of IMI-1000 includes one hundred transponders, each pre loaded in a disposable, sterile needle assembly for immediate use.

FEATURES AND BENEFITS

- ◆ Fail-safe animal identification
- ◆ Suitable for all laboratory animal species
- ◆ Can be easily injected subcutaneously by one person
- ◆ Ergonomic design integrates injection handle, stainless steel needle and drive pin
- ◆ Can be used for long-term storage in cold or liquid preservative for tissue identification

TECHNICAL INFORMATION

- ◆ Capsule manufactured of clear, biocompatible glass
- ◆ Dimensions 12 x 2 mm, weight 60 mg
- ◆ Operating frequency: 400 kHz
- ◆ Laser encoded microchip and copper coil encapsulated in glass
- ◆ Read-distance 8-10 cm, depending on reader
- ◆ Anti migration device, a bio-compatible polypropylene cap covering 5 mm of the transponder
- ◆ Transponder pre-loaded inside a 12 gauge surgical stainless steel canula
- ◆ Transponder and needle assembly sterilized with ethylene oxide.





TRANSPONDERS

IMI-500 Read-Only Transponder / 11200



The IMI-500 (Implantable Micro Identification) is a biocompatible soda lime-silicate glass encapsulated passive transponder. Enclosed is a microchip and coil that provides a unique, unalterable ten digit alphanumeric code, making positive, fail safe automated animal identification quick and easy.

The issue of product safety in laboratory animals is addressed in publications from one and two year chronic tissue evaluations of the microchip implant which have been conducted since the development of the IMI-1000 in the 1980's. The IMI-500 is smaller in size than the IMI-1000 transponder, yet identical in use.

To prevent migration in the animal, these transponders are coated with a micro thin coating of Parylene C.

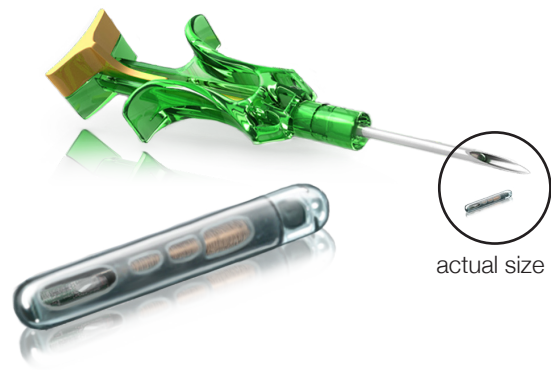
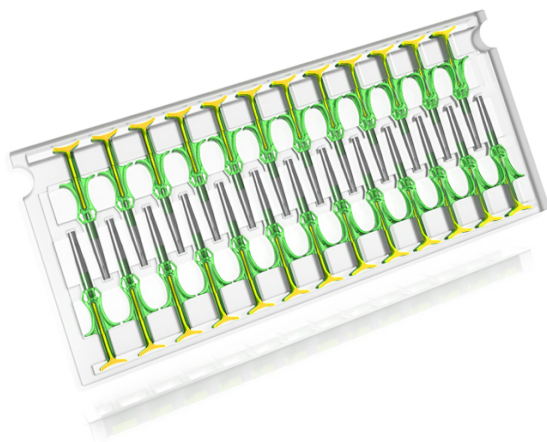
One case of IMI-500 includes one hundred transponders, each preloaded in a disposable, sterile needle assembly for immediate use.

FEATURES AND BENEFITS

- ◆ Fail-safe animal identification
- ◆ Suitable for all laboratory animal species
- ◆ Can be easily injected subcutaneously by one person
- ◆ Ergonomic design integrates injection handle, stainless steel needle and drive pin
- ◆ Can be used for long-term storage in cold or liquid preservative along with a tissue sample

TECHNICAL INFORMATION

- ◆ Capsule manufactured of clear, biocompatible glass
- ◆ Dimensions 8 x 1.4 mm, weight ± 40 mg
- ◆ Operating frequency: 400 kHz
- ◆ Laser encoded microchip and copper coil encapsulated in soda lime-silicate glass
- ◆ Read-distance 7-9 cm, depending on reader
- ◆ Micro thin anti migration coating of Parylene C
- ◆ Transponder pre-loaded inside a 15 gauge surgical stainless steel canula
- ◆ Transponder and needle assembly sterilized with ethylene oxide.





TRANSPONDERS

IMI-400 Read-Only Transponder / 11220



The IMI-400 (Implantable Micro Identification) is a biocompatible soda lime-silicate glass encapsulated passive transponder. Enclosed is a microchip and coil that provides a unique, unalterable ten digit alphanumeric code, making positive, fail safe automated animal identification quick and easy.

The issue of product safety in laboratory animals is addressed in publications from one and two year chronic tissue evaluations of the microchip implant which have been conducted since the development of the IMI-1000 in the 1980's. The IMI-400 is smaller in size than the IMI-1000 and the IMI-500 transponders, yet identical in use.

To prevent migration in the animal, these transponders are coated with a micro thin coating of Parylene C.

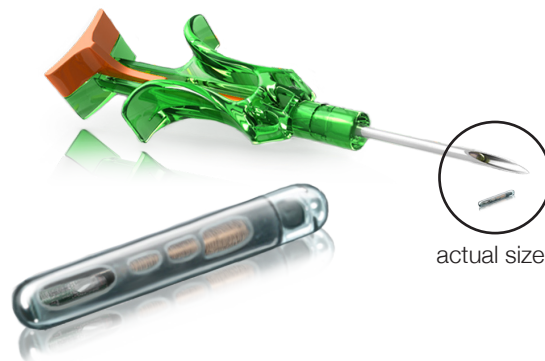
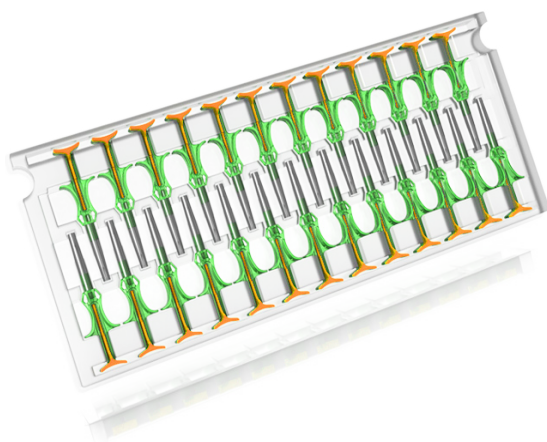
One case of IMI-400 includes one hundred transponders, each preloaded in a disposable, sterile needle assembly for immediate use.

FEATURES AND BENEFITS

- ◆ Fail-safe animal identification
- ◆ Suitable for all laboratory animal species
- ◆ Can be easily injected subcutaneously by one person
- ◆ Ergonomic design integrates injection handle, stainless steel needle and drive pin
- ◆ Can be used for long-term storage in cold or liquid preservative along with a tissue sample

TECHNICAL INFORMATION

- ◆ Capsule manufactured of clear, biocompatible glass
- ◆ Dimensions 6 x 1.4 mm, weight ± 40 mg
- ◆ Operating frequency: 400 kHz
- ◆ Laser encoded microchip and copper coil encapsulated in soda lime-silicate glass
- ◆ Read-distance 5-7 cm, depending on reader
- ◆ Micro thin anti migration coating of Parylene C
- ◆ Transponder pre-loaded inside a 15 gauge surgical stainless steel canula
- ◆ Transponder and needle assembly sterilized with ethylene oxide.





TRANSPONDERS

IPT-300 Programmable Transponder / 11075



The IPT-300 (Implantable Programmable Transponder) is a biocompatible glass encapsulated passive transponder. Enclosed is a microchip which allows end users to program their own information. The user may program up to 32 alphanumeric characters that may represent anything from a simple ID number to information such as project number, species, sex, cage number, etc. The programmed information can be edited whenever required, even when the transponder is implanted in the animal. Alternatively if regulations (GLP) require information to be permanent, the transponder can be irreversibly locked.

To prevent migration in the animal, these transponders are provided with a patented anti-migration device.

One case of IPT-300 transponders includes one hundred transponders, each pre-loaded in a disposable, sterile needle assembly for immediate use.

FEATURES AND BENEFITS

- ◆ User defined identification code
- ◆ Suitable for all laboratory animal species
- ◆ Can be easily injected subcutaneously by one person
- ◆ Ergonomic design integrates injection handle, stainless steel needle and drive pin
- ◆ Harmless non-surgical implantation
- ◆ Passive, battery free
- ◆ Can be used for long-term storage in cold or liquid preservative for tissue identification

TECHNICAL INFORMATION

- ◆ Capsule manufactured of clear, bio compatible glass
- ◆ Dimensions 14 mm x 2,2 mm, weight 120 mg
- ◆ Memory, 32 alphanumeric characters and checksum
- ◆ Non-volatile, re-programmable EE-memory
- ◆ Read-distance 5-8 cm depending on reader
- ◆ Programming distance approximately 5 cm
- ◆ Anti migration device, a bio-compatible polypropylene cap covering 6 mm of the transponder
- ◆ Transponder pre-loaded inside a 12 gauge surgical stainless steel canula
- ◆ Transponder and needle assembly/implant handle sterilized with ethylene oxide.





TRANSPONDERS



XPT-100 Programmable Transponder / 11250

The XPT-100 Implantable Programmable Transponder is a biocompatible soda lime-silicate glass encapsulated passive transponder. Enclosed is a microchip which allows end users to program their own information. The user may program up to 32 alphanumeric characters that may represent anything from a simple ID number to information such as project number, species, sex, cage number, etc. The programmed information can be edited whenever required, even when the transponder is implanted in the animal. Alternatively if regulations (GLP) require information to be permanent, the transponder can be irreversibly locked.

To prevent migration in the animal, these transponders are coated with a micro thin coating of Parylene C.

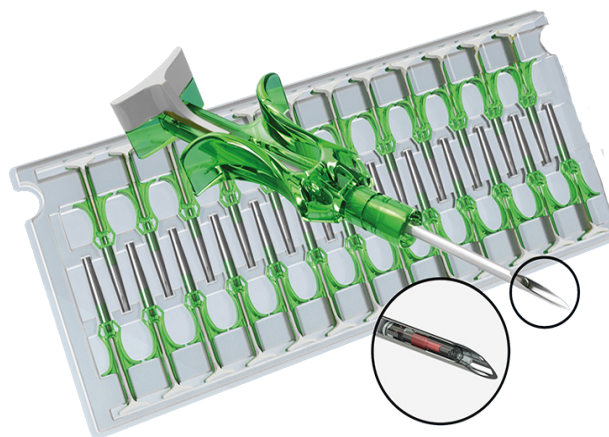
One case of XPT-100 transponders includes one hundred transponders, each pre-loaded in a disposable, sterile needle assembly for immediate use.

FEATURES AND BENEFITS

- ◆ User defined identification code
- ◆ Suitable for all laboratory animal species
- ◆ Can be easily injected subcutaneously by one person
- ◆ Ergonomic design integrates injection handle, stainless steel needle and drive pin
- ◆ Harmless non-surgical implantation
- ◆ Passive, battery free
- ◆ Can be used for long-term storage in cold or liquid preservative for tissue identification

TECHNICAL INFORMATION

- ◆ Capsule manufactured of clear, bio compatible glass
- ◆ Dimensions 8 mm x 1.4 mm, weight ± 40 mg
- ◆ Memory, 32 alphanumeric characters and checksum
- ◆ Non-volatile, re-programmable EE-memory
- ◆ Read-distance 5-8 cm depending on reader
- ◆ Programming distance approximately 5 cm
- ◆ Micro thin anti migration coating of Parylene C
- ◆ Transponder pre-loaded inside a 15 gauge surgical stainless steel canula
- ◆ Transponder and needle assembly/implant handle sterilized with ethylene oxide.



TRANSPONDERS

IPTT-300 Programmable Temperature Transponder / 11059



The IPTT-300 (Implantable Programmable Temperature Transponder) is a biocompatible glass encapsulated passive transponder. Enclosed is a microchip which allows end users to program their own information. The user may program up to 32 alphanumeric characters that may represent anything from a simple ID number to information such as project number, species, sex, cage number, etc. The programmed information can be edited whenever required, even when the transponder is implanted in the animal. Alternatively if regulations (GLP) require information to be permanent, the transponder can be irreversibly locked.

When identifying the animal, the body temperature can be obtained at the same time. The incorporated temperature sensor measures and reports in increments of 0.1°C.

To prevent migration in the animal, these transponders are provided with a patented anti-migration device.

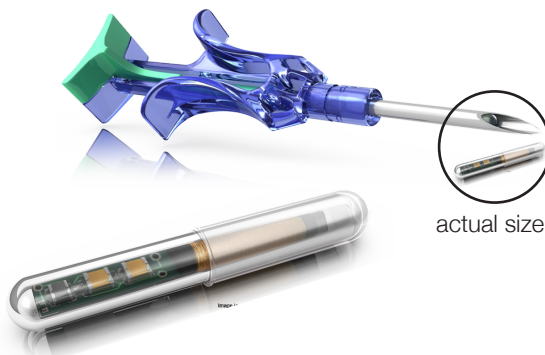
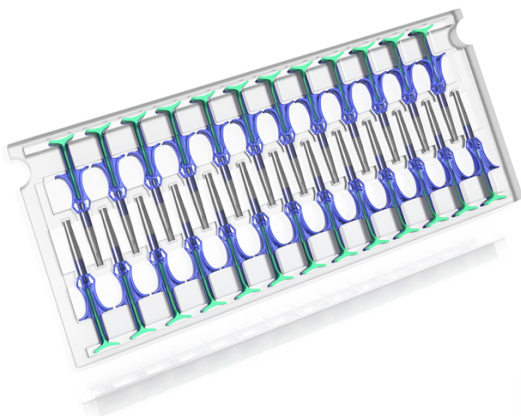
One case of IPTT-300 transponders includes one hundred transponders, each pre-loaded in a disposable, sterile needle assembly for immediate use.

FEATURES AND BENEFITS

- ◆ User defined identification code
- ◆ Fast, non-contact temperature reading
- ◆ Suitable for all laboratory animal species
- ◆ Can be easily injected subcutaneously by one person
- ◆ Ergonomic design integrates injection handle, stainless steel needle and drive pin
- ◆ Harmless non-surgical implantation
- ◆ Passive, battery free
- ◆ Can be used for long-term storage in cold or liquid preservative for tissue identification

TECHNICAL INFORMATION

- ◆ Capsule manufactured of clear, bio compatible glass
- ◆ Dimensions 14 mm x 2,2 mm, weight 120 mg
- ◆ Memory, 32 alphanumeric characters, calibration section, temperature and checksum
- ◆ Non-volatile, re-programmable EE-memory
- ◆ Read-distance 5-8 cm depending on reader
- ◆ Programming distance approximately 5 cm
- ◆ Standard calibrated range 32°C - 43°C
- ◆ Calibrated accuracy approximately 0.5°C
- ◆ Reporting increments 0.1°C
- ◆ Anti migration device, a bio-compatible polypropylene cap covering 6mm of the transponder
- ◆ Transponder pre-loaded inside a 12 gauge surgical stainless steel canula
- ◆ Transponder and needle assembly/implant handle sterilized with ethylene oxide.





HANDHELD READERS

DAS-8006-C Wireless IMI Reader / 11275



The DAS-8006-C is a reader for IMI-500 and IMI-1000 non-programmable transponders. It is a handheld device with wireless communication to a powered base for recharging the unit's battery. The small portable wireless communication module transfers data between the reader and a computer and can be clipped onto the charging base or kept near the computer. The reader can also store data for transfer via the communication module to a computer immediately or later.

The reader has an internal function for mapping transponder numbers to the client's own animal ID system.

A wide and easy to use reader scanning field provides an industry leading read distance of 8 to 10 cm. The readers bright display panel automatically flips to be read by left or right hand users and includes LED lights to indicate that the reader is scanning. As well as the vibration signal an optional audio tone can also be utilised to confirm a scan is completed. The system includes an easy to manage and read user menu to handle time and date stamps, ID mapping, data storage, reader setup and battery level.

FEATURES & BENEFITS

- ◆ Freedom of movement while saving data and/or its transfer to a computer
- ◆ White high impact plastic casing
- ◆ A display that 'flips' for left or right-handed users
- ◆ An updated scanning coil designed for increased power and a larger reading field
- ◆ Faster scanning compared to previous models
- ◆ Booster coil available to assist with transponder mapping
- ◆ Can store 10,000 data records
- ◆ Easy to use user menu and password protection to prevent non-permissible changes
- ◆ Dedicated communication between reader and communication module
- ◆ Any number of readers can be paired with the same communication module
- ◆ Can be used hands-free when docked in the charging base
- ◆ Flexible data formatting for compatibility with all research management software systems
- ◆ Time and date stamp activation for study traceability

TECHNICAL INFORMATION

- ◆ Bright LED display including active scan indication
- ◆ Wireless data transmission over secure ZigBee protocol
- ◆ Communication module: USB serial and USB keyboard output
- ◆ 12 volt power supply for recharging
- ◆ Reader uses two 3.7 Li-ion 3000mAh, user replaceable, batteries
- ◆ Reader dimensions: 7.6 (w) x 5 (d) x 22.8 (h) cm
- ◆ Communication module dimensions: 3.8 (w) x 2.2 (h) x 7.1 (d) cm
- ◆ Charging base foot print: 11.6 x 10.1 cm





HANDHELD READERS

DAS-8006-P Wireless IMI Reader / 11277



The DAS-8006-P is a reader for IMI-500 and IMI-1000 non-programmable transponders. It is a handheld device with a direct power line for faster recharging of the unit's battery. The small portable wireless communication module transfers data between the reader and a computer and can be kept near the computer. The reader can also store data for transfer via the communication module to a computer immediately or later.

The reader has an internal function for mapping transponder numbers to the client's own animal ID system.

An optional reader stand is available for hands free operation and/or secure storage whilst not in use or charging.

A wide and easy to use reader scanning field provides an industry leading read distance of 8 to 10 cm. The readers bright display panel automatically flips to be read by left or right hand users and includes LED lights to indicate that the reader is scanning. As well as the vibration signal an optional audio tone can also be utilised to confirm a scan is completed.

The system includes an easy to manage user menu to handle time and date stamps, ID mapping, data storage, reader setup and battery level.

FEATURES & BENEFITS

- ◆ Freedom of movement whilst saving data and/or transferring to a computer
- ◆ White high impact plastic casing
- ◆ A display that 'flips' for left or right-handed users
- ◆ An updated scanning coil designed for increased power and a larger reading field
- ◆ Faster scanning compared to previous models
- ◆ Booster coil available to assist with transponder mapping
- ◆ Can store 10,000 data records and mapped ID's for cross referencing
- ◆ Easy to use user menu and password protection to prevent non-permissible changes
- ◆ Dedicated communication between reader and communication module
- ◆ Any number of readers can be paired with the same communication module
- ◆ Can be used hands-free when docked in the stand
- ◆ Flexible data formatting for compatibility with all research management software systems
- ◆ Time and date stamp activation for study traceability

TECHNICAL INFORMATION

- ◆ Bright LED display including active scan indication
- ◆ Wireless data transmission over secure ZigBee protocol
- ◆ Communication module: USB serial and USB keyboard output
- ◆ 12 volt power supply for recharging
- ◆ Reader uses two 3.7 Li-ion 3000mAH, user replaceable, batteries
- ◆ Reader dimensions: 7.6 (w) x 5 (d) x 22.8 (h) cm
- ◆ Communication module dimensions: 3.8 (w) x 2.2 (h) x 7.1 (d) cm





HANDHELD READERS

DAS-8006-IUS IMI Reader / 11279



The DAS-8006-IUS is a reader for IMI-500 and IMI-1000 non-programmable transponders. It is a handheld device with a direct power line for faster recharging of the unit's battery. The reader does not come with a wireless communication module, instead it has an integrated serial USB port making this a more cost-effective option. Data from the reader is downloaded to the computer immediately or transferred later using our DASHost software. The reader has an internal function for mapping transponder numbers to the client's own animal ID system.

The DAS-8006-IUS can be upgraded to full wireless operation at a later date with the addition of a communication module similar to the C and P models. An optional reader stand is available for hands free operation and/or secure storage whilst not in use or charging. A wide and easy to use reader scanning field provides an industry leading read distance of 8 to 10 cm. The readers bright display panel automatically flips to be read by left or right hand users and includes LED lights to indicate that the reader is scanning. As well as the vibration signal an optional audio tone can also be utilised to confirm a scan is completed.

The system includes an easy to manage and read user menu to handle time and date stamps, ID mapping, data storage, reader setup and battery level.

FEATURES & BENEFITS

- ◆ Freedom of movement whilst saving data and/or transferring to a computer
- ◆ White high impact plastic casing
- ◆ A display that 'flips' for left or right-handed users
- ◆ An updated scanning coil designed for increased power and a larger reading field
- ◆ Faster scanning compared to previous models
- ◆ Booster coil available to assist with transponder mapping
- ◆ Can store 10,000 data records and mapped ID's for cross referencing
- ◆ Easy to use user menu and password protection to prevent non-permissible changes
- ◆ Can be used hands-free when docked in the stand
- ◆ Flexible data formatting for compatibility with all research management software systems
- ◆ Time and date stamp activation for study traceability

TECHNICAL INFORMATION

- ◆ Bright LED display including active scan indication
- ◆ Communication module: USB serial and USB keyboard output
- ◆ 12 volt power supply for recharging
- ◆ Reader uses two 3.7 Li-ion 3000mAH, user replaceable, batteries
- ◆ Reader dimensions: 7.6 (w) x 5 (d) x 22.8 (h) cm





HANDHELD READERS

DAS-8027-IUS XPT/IPTT Reader / 11291

The DAS-8027-IUS is a reader for XPT-100 and IPT-300 as well as IPTT-300 programmable temperature transponders.

It is a handheld device with a direct power line for recharging of the unit's battery and an integrated serial USB port. Data from the reader is downloaded to the computer immediately or transferred later using our DAShost software.

An optional reader stand is available for hands free operation and/or secure storage whilst not in use or charging.

The DAS-8027-IUS can be upgraded to full wireless operation with the addition of a communication module.

A wide and easy to use reader scanning field provides an industry leading read distance of 8 to 10 cm. The readers bright display panel automatically flips to be read by left or right-hand users and includes LED lights to indicate that the reader is scanning. As well as the vibration signal an optional audio tone can also be utilised to confirm a scan is completed.

The system includes an easy to manage user menu to handle time and date stamps, data storage, reader setup, programming of transponders and battery level.

FEATURES & BENEFITS

- ◆ Freedom of movement whilst saving data and/or transferring to a computer
- ◆ White high impact plastic casing
- ◆ A display that 'flips' for left or right-handed users
- ◆ An updated scanning coil designed for increased power and a larger reading field
- ◆ Faster scanning compared to previous models
- ◆ Can store 10,000 data records
- ◆ Easy to use user menu and password protection to prevent non-permissible changes
- ◆ Can be used hands-free when docked in the stand
- ◆ Flexible data formatting for compatibility with all research management software systems
- ◆ Time and date stamp activation for study traceability

OPTIONAL

- ◆ Booster coil available to assist with transponder programming
- ◆ Communication module for wireless transfer of data, USB serial or USB keyboard output
- ◆ Protective silicone boot
- ◆ Reader stand for hands free use

TECHNICAL INFORMATION

- ◆ Bright LED display including active scan indication
- ◆ 12 volt power supply for recharging
- ◆ Reader uses two 3.7 Li-ion 3000mAH, user replaceable, batteries
- ◆ Reader dimensions: 7.6 (w) x 5 (d) x 22.8 (h) cm



HANDHELD READERS

DAS-8027-BLU XPT/IPTT Reader / 11295

The DAS-8027-BLU is a reader with Bluetooth capability for use with XPT-100 and IPT-300 as well as IPTT-300 programmable temperature transponders. Now, all the data collected by the reader can be wirelessly sent to any device with Bluetooth keyboard connection. This can be done in real time or later from the reader's memory. It is a handheld device with a direct power line for recharging of the unit's battery and an integrated serial USB port. An optional reader stand is available for hands free operation and/or secure storage whilst not in use or charging. A wide and easy to use reader scanning field provides an industry leading read distance of 8 to 10 cm. The readers bright display panel automatically flips to be read by left or right-hand users and includes LED lights to indicate that the reader is scanning. As well as the vibration signal an optional audio tone can also be utilised to confirm a scan is completed.

The system includes an easy to manage user menu to handle time and date stamps, data storage, reader setup, programming of transponders and battery level.

FEATURES & BENEFITS

- ◆ Bluetooth Wireless Keyboard output
- ◆ Freedom of movement whilst saving data and/or transferring to a computer
- ◆ White high impact plastic casing
- ◆ A display that 'flips' for left or right-handed users
- ◆ An updated scanning coil designed for increased power and a larger reading field
- ◆ Faster scanning compared to previous models
- ◆ Can store 10,000 data records
- ◆ Easy to use user menu and password protection to prevent non-permissible changes
- ◆ Can be used hands-free when docked in the stand
- ◆ Flexible data formatting for compatibility with all research management software systems
- ◆ Time and date stamp activation for study traceability

OPTIONAL

- ◆ Booster coil available to assist with transponder programming
- ◆ Protective silicone boot
- ◆ Reader stand for hands free use

TECHNICAL INFORMATION

- ◆ Bright LED display including active scan indication
- ◆ 12 volt power supply for recharging
- ◆ Reader uses two 3.7 Li-ion 3000mAh, user replaceable, batteries
- ◆ Reader dimensions: 7.6 (w) x 5 (d) x 22.8 (h) cm





HANDHELD READERS

DAS-8016 IMI Pocket Reader / 11297

The DAS-8016 Pocket Reader is a handheld electronic device for reading and displaying the user ID in BMDS IMI-400, IMI-500 and IMI-1000 transponders. This system is a compact and completely self contained portable reader, with the ability to be used in a wired (USB port or Keyboard out) or wireless (Communication Module or Bluetooth) configuration.

The display uses the latest OLED technology supplemented by sequencing LEDs for low RF noise scan indication. The new ½ sized reader scan head, naturally reduces the overall size and weight of the reader, while offering a more focused read zone. The unit includes a built-in low voltage charging circuit allowing the unit to be recharged and operated directly via a USB connection. The battery is a single Lithium-Ion Battery which may be replaced by the user. The unit has a membrane keypad that includes basic scan functions, plus a full menu capability for entering unit set up.

FEATURES & BENEFITS

- ◆ Compact Size and Light Weight – 2.14" (W) x 1.61" (D) x 8.53" (L)
- ◆ Impact resistant polycarbonate housing
- ◆ Portable operation via internal, rechargeable, replaceable Lithium-Ion Battery
- ◆ Auto read mode for continuous read applications
- ◆ Directly operate and charge via a standard serial data USB port (no additional interface hardware required)
- ◆ Option to add Wireless Interface to Bluetooth HID equipped device or Wireless Communication Module
- ◆ Built-in Full-Size Serial USB Out

TECHNICAL INFORMATION

- ◆ Small Scan Head for easier orientation
- ◆ Beep and Scan Operation
- ◆ Bright OLED Data Display, with 2 rows of 16 Characters
- ◆ Menu Selectable Display Orientation
- ◆ Ability to Store and Download around 500 IDs
- ◆ Large Scan Button with Instant Double Press ON
- ◆ Auto Scan Mode
- ◆ Menu Selectable Data Output Delimiters

OPTIONAL ACCESSORIES

- ◆ USB Data Cable
- ◆ Wireless Communication Module
- ◆ USB Power Supply
- ◆ Replacement Lithium-Ion Batteries
- ◆ DASHost Software
- ◆ Reader Stand





HANDHELD READERS

DAS-8017 XPT/IPT/IPTT Pocket Reader / 11298



The DAS-8017 Pocket Reader is a handheld electronic device for reading and displaying the user ID in BMDS XPT, IPT and IPTT* transponders (*reads the ID but not the temperature). This system is a compact and completely self contained portable reader, with the ability to be used in a wired (USB port or Keyboard out) or wireless (Communication Module or Bluetooth) configuration.

The display uses the latest OLED technology supplemented by sequencing LEDs for low RF noise scan indication. The new ½ sized reader scan head, naturally reduces the overall size and weight of the reader, while offering a more focused read zone. The unit includes a built-in low voltage charging circuit allowing the unit to be recharged and operated directly via a USB connection. The battery is a single Lithium-Ion Battery which may be replaced by the user. The unit has a membrane keypad that includes basic scan functions, plus a full menu capability for entering unit set up.

FEATURES & BENEFITS

- ◆ Compact Size and Light Weight – 2.14" (W) x 1.61" (D) x 8.53" (L)
- ◆ Impact resistant polycarbonate housing
- ◆ Portable operation via internal, rechargeable, replaceable Lithium-Ion Battery
- ◆ Auto read mode for continuous read applications
- ◆ Directly operate and charge via a standard serial data USB port (no additional interface hardware required)
- ◆ Option to add Wireless Interface to Bluetooth HID equipped device or Wireless Communication Module
- ◆ Built-in Full-Size Serial USB Out

TECHNICAL INFORMATION

- ◆ Small Scan Head for easier orientation
- ◆ Beep and Scan Operation
- ◆ Bright OLED Data Display with 2 rows of 16 Characters
- ◆ Menu Selectable Display Orientation
- ◆ Ability to Store and Download around 500 IDs
- ◆ Large Scan Button with Instant Double Press ON
- ◆ Auto Scan Mode
- ◆ Menu Selectable Data Output Delimiters

OPTIONAL ACCESSORIES

- ◆ USB Data Cable
- ◆ Wireless Communication Module
- ◆ USB Power Supply
- ◆ Replacement Lithium-Ion Batteries
- ◆ DASHost Software
- ◆ Reader Stand





HANDHELD READERS

KP-8018 IMI Keyboard Probe / 11299

The KP-8018 is a handheld electronic system for reading the user ID in BMDS IMI transponders. Compared to a standard reader it is smaller, lighter, and the scan head is half the size whilst offering a more focused read zone.

The KP-8018 is designed to be connected directly to a computing device's USB port where it is detected as a keyboard (HID) input, although full wireless operation is also possible. Using the USB connection also allows recharging of the unit's replaceable 18650 Lithium-Ion battery via the inbuilt low voltage charging circuit. The unit also has a membrane keypad and LED scanning and setup indicators.

The KP-8018 has usage in common with a handheld barcode scanner, which, with the aid of a keyboard or touch screen, is typically used to enter read ID and associated data into a computer application. In such a setup, a device display is not required, since the user sees the data immediately on the computer or tablet screen.



FEATURES & BENEFITS

- ◆ Compact Size and Light Weight – 2.14" (W) x 1.61" (D) x 8.53" (L)
- ◆ Impact resistant polycarbonate housing
- ◆ Portable operation via internal, rechargeable, replaceable Lithium-Ion Battery
- ◆ Auto read mode for continuous read applications
- ◆ Powered and charged directly from a USB port or separate power supply
- ◆ Recognised as a keyboard (HID output) when connected to a USB port
- ◆ Ability to link as a wireless keyboard output to Bluetooth equipped devices
- ◆ Built-in Keyboard Out via Full-Size USB Connector
- ◆ Built-in Keyboard Configured Wireless Bluetooth and Serial USB out

TECHNICAL INFORMATION

- ◆ Small Scan Head for easier orientation
- ◆ Beep and Scan Operation
- ◆ Ability to Store and Download around 500 IDs
- ◆ Sequencing Scan LEDs
- ◆ Large Scan Button with Instant Double Press ON
- ◆ Auto Scan Mode

OPTIONAL ACCESSORIES

- ◆ USB Data Cable
- ◆ Wireless Communication Module
- ◆ USB Power Supply
- ◆ Replacement Lithium-Ion Batteries
- ◆ DASHost Software
- ◆ Reader Stand



HANDHELD READERS

KP-8019 XPT/IPT/IPTT Keyboard Probe / 11300

The KP-8019 is a handheld electronic system for reading the user ID in BMDS XPT, IPT and IPTT* transponders (*reads the ID but not the temperature). Compared to a standard reader it is smaller, lighter, and the scan head is half the size whilst offering a more focused read zone.

The KP-8019 is designed to be connected directly to a computing device's USB port where it is detected as a keyboard (HID) input, although full wireless operation is also possible. Using the USB connection also allows recharging of the unit's replaceable 18650 Lithium-Ion battery via the inbuilt low voltage charging circuit. The unit also has a membrane keypad and LED scanning and setup indicators.

The KP-8019 has usage in common with a handheld barcode scanner, which, with the aid of a keyboard or touch screen, is typically used to enter read ID and associated data into a computer application. In such a setup, a device display is not required, since the user sees the data immediately on the computer or tablet screen.



FEATURES & BENEFITS

- ◆ Compact Size and Light Weight – 2.14" (W) x 1.61" (D) x 8.53" (L)
- ◆ Impact resistant polycarbonate housing
- ◆ Portable operation via internal, rechargeable, replaceable Lithium-Ion Battery
- ◆ Auto read mode for continuous read applications
- ◆ Powered and charged directly from a USB port or separate power supply
- ◆ Recognised as a keyboard (HID output) when connected to a USB port
- ◆ Ability to link as a wireless keyboard output to Bluetooth equipped devices
- ◆ Built-in Keyboard Out via Full-Size USB Connector
- ◆ Built-in Keyboard Configured Wireless Bluetooth and Serial USB out

TECHNICAL INFORMATION

- ◆ Small Scan Head for easier orientation
- ◆ Beep and Scan Operation
- ◆ Ability to Store and Download around 500 IDs
- ◆ Sequencing Scan LEDs
- ◆ Large Scan Button with Instant Double Press ON
- ◆ Auto Scan Mode

OPTIONAL ACCESSORIES

- ◆ USB Data Cable
- ◆ Wireless Communication Module
- ◆ USB Power Supply
- ◆ Replacement Lithium-Ion Batteries
- ◆ DASHost Software
- ◆ Reader Stand



DATA ACQUISITION SYSTEMS

DAS-8010 Smart Probe Interface / 11281



The DAS-8010 is a simple and compact 2-piece system for reading transponders using a RSP-8004 probe for IMI-500 and IMI-1000 non-programmable transponders or a RSP-8005 probe for programmable IPT-300 and IPTT temperature transponders.

The 8010 provides power to the probe and formats the returned data for transfer to a computer or terminal via a USB serial, USB keyboard or RS232 with a DB9 connector serial data ports. An LED verifies the probe and USB connection.

On powering up the DAS-8010 is programmed to communicate automatically with the probe to determine the probe serial and delimiter settings. Regardless of the serial baud rate the unit will always buffer and transmit data via the USB keyboard output at a slower Human Interface Device (HID) compatible data rate.

A wide and easy to use probe scanning field provides an industry leading read distance of 8 to 10cm. As well as the vibration signal an optional audio tone can also be utilised to confirm a scan is completed.

The DAS-8010 two-way interface also enables serial communication directly with the probe allowing the features of DAShost software to be utilised for special applications i.e. data mapping and data configuration.

FEATURES & BENEFITS

- ◆ LED indicator for USB and probe connection
- ◆ Front power switch for smart probe
- ◆ Base provides stability and options for mounting on additional suction pad holder
- ◆ Single international power supply
- ◆ Isolation circuitry to protect the equipment's performance
- ◆ Two base configurations available:
- ◆ Single base for both DAS-8010 and probe stand
- ◆ Individual bases for each element
- ◆ Can also be configured with other BMDS probes i.e. VSP-7005 vertical smart probe or RR-6004/5 ring-readers

TECHNICAL INFORMATION

- ◆ Main Unit: 4.6cm (w) x 12.0cm (h) x 7.2cm (d)
- ◆ Including base: 7.6cm (w) x 13.7cm (h) x 8.1cm (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
- ◆ Uses a tri-microprocessor for autonomous port control independent of the probe interface.
- ◆ 3 x Atmel ATxmega32C microcontrollers with updatable firmware





DATA ACQUISITION SYSTEMS

DAS-8020 Data Display & Smart Probe Interface / 11282



The DAS-8020 is a 2-piece system for reading and transponders using a RSP-8004 probe for IMI-500 and IMI-1000 non-programmable transponders or a RSP-8005 probe for programmable IPT-300 and IPTT temperature transponders.

The DAS-8020 provides power to the probe and formats the returned data for display and transfer to a computer or terminal via a USB serial, USB keyboard or RS232 with a DB9 connector serial data ports. An LED verifies the probe and USB connection.

On powering up the DAS-8020 is programmed to communicate automatically with the probe to determine the probe serial and delimiter settings. Regardless of the serial baud rate the unit will always buffer and transmit data via the USB keyboard output at a slower Human Interface Device (HID) compatible data rate.

A wide and easy to use probe scanning field provides an industry leading read distance of 8 to 10cm. As well as the vibration signal an optional audio tone can also be utilised to confirm a scan is completed.

The DAS-8020 two-way interface also enables serial communication directly with the probe allowing the features of DASHost software to be utilised for special applications i.e. data mapping and data configuration.

FEATURES & BENEFITS

- ◆ 20 character, 2 line OLED bright display
- ◆ LED indicator for USB and probe connection
- ◆ Front power switch for smart probe
- ◆ Single international power supply
- ◆ Isolation circuitry to protect the equipment's performance
- ◆ Can display both original and mapped ID simultaneously
- ◆ Comes with a heavy metal base that can also hold the smart probe or they can be mounted individually.
- ◆ Can also be configured with other BMDS probes i.e. VSP-7005 vertical smart probe or RR-6004/5 ring-readers

TECHNICAL INFORMATION

- ◆ Main Unit: 10.6cm (w) x 9.6cm (h) x 5.8cm (d)
- ◆ Including base: 10.6cm (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
- ◆ Uses two microprocessors, one for data transmission and one for the OLED display
- ◆ USB ports are kept active at all times to avoid port resets on the interfacing computer
- ◆ RS-232 port has digital isolation to avoid RF noise contamination from a computer





DATA ACQUISITION SYSTEMS

DAS-8001 Console System / 11095



The DAS-8001 programs and scans IPTT programmable temperature transponders and IPT programmable transponders. After exchanging probes the DAS-8001 scans IMI read-only transponders. The system can be connected to a broad range of personal computers and digital devices, allowing the user to work with almost any peripheral device, such as calipers, weighing scales and barcode readers. On board menu structures allow independent keyboard-free operation, making the DAS-8001 the perfect stand alone data collection system. With its light weight and built-in battery the DAS-8001 can also be used as a portable device. With an optional bracket the reader can be mounted on carts or be equipped with suction cup holders so you can stick it on any smooth surface.

The data acquisition system features multiple types of interface, e.g. serial, USB, HID, RS-232 and optional wireless connection from probe to reader and/or reader to computer. To configure or operate the DAS-8001 you can use the keypad on the front panel or you can plug a USB-HID type keyboard directly into it. The F1 to F12 keys can be used as "hot keys" for the most common processes.

Memory cards can be used for external data storage/transfer and add the functionality of scripts to allow the use of personalised data collection protocols.

FEATURES AND BENEFITS

- ◆ Automated data collection and display system
- ◆ Stand-alone or on-line
- ◆ Compatible with read/write IPTT, IPT and read-only IMI transponders
- ◆ Easy to read fluorescent, 4 line display
- ◆ 2 Memory card slots for data collection and user-defined protocols
- ◆ Built in date and time and help menus

TECHNICAL INFORMATION

- ◆ White high impact plastic casing
- ◆ Dimensions and weight: 10.87 x 15.75 x 8.00 cm, approx. 0.5 kg (without probe)
- ◆ Membrane keypad
- ◆ Bright fluorescent display with wide viewing angle
- ◆ Internal memory for approx. 3000 scans
- ◆ Uses standard SD memory cards
- ◆ Mains connected and optional 12-hour battery
- ◆ RJ11 probe input for all BMDS Smart Probes
- ◆ Optional wireless connection to handheld probe
- ◆ 2 RS-232 serial input ports - to connect additional input devices such as scales and calipers
- ◆ 2 USB-HID input ports – to connect additional input devices such as barcode readers
- ◆ USB serial and USB keyboard output port
- ◆ USB keyboard input
- ◆ Optional wireless connection to computer



- ◆ Das-8001 Console System plus RSP-8004 SmartProbe configuration



SMART PROBES

RSP-8004 IMI Round Smart Probe / 11283



The RSP 8004 Smart Probe is specifically designed to read IMI-500 and IMI-1000 read-only transponders and to integrate with the DAS-8000 series data acquisition systems for collecting animal identification and additional data. The Smart Probe can be handheld or placed within a probe holder for hands free use.



FEATURES & BENEFITS

- ◆ Status and scan indicators on probe
- ◆ The round head produces a large reading field, allowing for easy and quick identification of animal
- ◆ Suitable for all species
- ◆ Optional vibrate and/or audio beep to confirm a successful transponder read
- ◆ Probe can store a cross reference table for mapping transponders
- ◆ Optional DASHost™ communications software provides easy integration with user's applications
- ◆ Compact design
- ◆ Can be programmed for continuous or momentary scan modes to best suit your protocol
- ◆ Easy to use

TECHNICAL INFORMATION

- ◆ White high impact plastic casing
- ◆ RS-232 serial DB9 connection
- ◆ Read distance from probe to transponder approx. 8-10 cm



SMART PROBES

RSP 8005 IPT/IPTT Round Smart Probe / 11284



The RSP 8005 Smart Probe is specifically designed to read and program IPT programmable and IPTT programmable temperature transponders and to integrate with the DAS-8000 series data acquisition systems for collecting animal identification and additional data. The Smart Probe can be handheld or placed within a probe holder for hands free use.

FEATURES & BENEFITS

- ◆ Status and scan indicators on probe
- ◆ The round head produces a large reading field, allowing for easy and quick identification of animal
- ◆ Suitable for all species
- ◆ Optional vibrate and/or audio beep to confirm a successful transponder read
- ◆ Optional DASHost™ communications software provides easy integration with user's applications
- ◆ Compact design
- ◆ Can be programmed for continuous or momentary scan modes to best suit your protocol
- ◆ Easy to use

TECHNICAL INFORMATION

- ◆ White high impact plastic casing
- ◆ RS-232 serial DB9 connection
- ◆ Read distance from probe to transponder approx. 8-10 cm for ID





ACCESSORIES 8000 SERIES

DAS 8000 Booster coil / 11285

The Booster Coil is recommended for improved reading and programming of IPT-300 programmable and IPTT-300 programmable temperature transponders whilst in the needle assembly. It can be used with both the DAS 8007 reader and RSP 8005 smart probe.



Probe Holder for RSP 8004/5 / 11286

The Probe Holder is designed for use with the RSP 8004/5 probe for hands free use. Its tilt adjustment makes it easy to set the right angle for handsfree reading of data.



DAS 8000 Reader Stand / 11287

The Reader Stand is designed for use with the DAS 8006/7 reader for handsfree use. Its tilt adjustment makes it easy to set the right angle for handsfree reading of data.



Protective Silicone Boot (sleeve) / 11288

The protective silicone boot is designed for use with the DAS 8006/7 reader to protect the reader from accidental damage. Simply fits over the reader without any special fasteners or clips and does not interfere with the reading signal or performance



Com Module / 11274

Wireless communication module with USB serial and USB keyboard outputs. For use with Wireless Readers 8006 and 8007 type C and P. Not suited or needed for type IUS





SMART PROBES

FSP-7005 Flat Smart Probe / 11073



The FSP-7005 Flat Smart Probe can be connected to the BMDS DAS-8001 and DAS-8010, 8020 Data Acquisition Systems.

It can read / programme the IPT-300 programmable transponders and IPTT-300 programmable temperature transponders.

The unique shape of the FSP-7005, with its flat profile and flexible mounting options is designed for automated scanning and other non-handheld applications. Its unique triangle shape allows the user to maximize the field strength relative to the transponder orientation, resulting in easy and accurate scanning.

FEATURES & BENEFITS

- ◆ Configured for automated scanning and non-handheld applications
- ◆ Compatible with read/write IPT and IPTT transponders
- ◆ Position maximizes scan field strength
- ◆ Compatible with a wide range of DAS (Data Acquisition Systems)
- ◆ Standard Smart Probe cable connection
- ◆ Three LEDs provide status indication
- ◆ Flexible mounting options
- ◆ Firmware updates available

TECHNICAL INFORMATION

- ◆ Size: 147 x 147 x 29 mm
- ◆ 1 input: smart probe
- ◆ Unit interfaces with DASHost software via BMDS reader
- ◆ Power supply: powered directly via BMDS readers



SMART PROBES

VSP-7005 Vertical Smart Probe / 11074



The VSP-7005 Vertical Smart Probe can be connected to the BMDS DAS-8001 and DAS-8010, 8020 Data Acquisition Systems.

It can read / programme the IPT-300 programmable transponders and IPTT-300 programmable temperature transponders.

The unique shape of the VSP-7005, with its right angle profile and flexible mounting options is designed for automated scanning and other non-handheld applications. Its unique shape allows the user to maximize the field strength relative to the transponder orientation, resulting in easy and accurate scanning.

FEATURES AND BENEFITS

- ◆ Configured for automated scanning and non-handheld applications
- ◆ Compatible with read/write IPT and IPTT transponders
- ◆ Position maximizes scan field strength
- ◆ Compatible with a wide range of DAS (Data Acquisition Systems)
- ◆ Standard Smart Probe cable connection
- ◆ Three LEDs provide status indication
- ◆ Flexible mounting options
- ◆ Firmware updates available

TECHNICAL INFORMATION

- ◆ Size: 161 x 81 x 161 mm
- ◆ Unit interfaces with DASHost software via BMDS reader
- ◆ 1 input: smart probe
- ◆ Power supply: powered directly via BMDS readers
- ◆ Weight: 225 gram
- ◆ RS-232 interface



CALIPERS

DCS-1 Digital Caliper System / 11020



This device for measuring tumor masses and other soft tissues in laboratory animals has a clear digital read-out and a serial port for data transfer. It can be connected directly to a computer, but it can also be plugged into various BMDS reader systems, thus allowing the user to match animal identification data with the corresponding caliper measurements.

The caliper is equipped with a “constant force mechanism”, ensuring that all objects are measured with identical pressure. This way, the caliper measurements become completely operator independent.

The DCS-1 digital caliper system consists of:

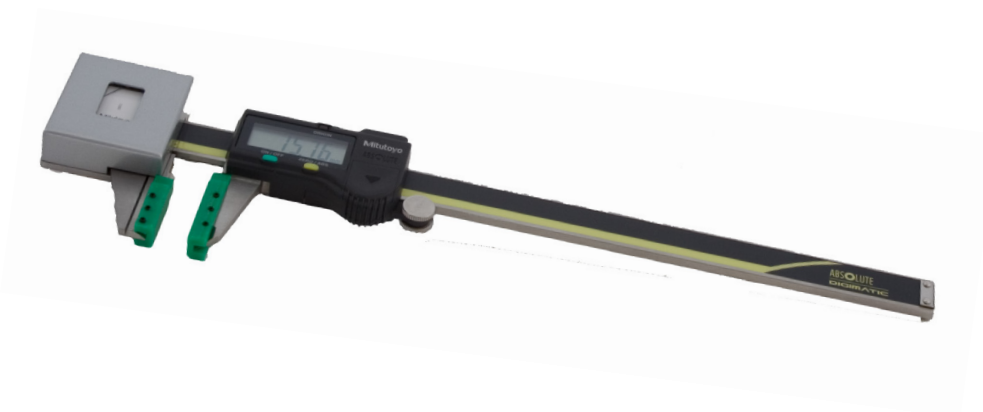
- ◆ Caliper with constant force mechanism
- ◆ Cables and interface to directly communicate with DAS-8001 and/or computer
- ◆ Footswitch
- ◆ Calibration block

FEATURES & BENEFITS

- ◆ Ideal for outside measurements
- ◆ Digital display for accurate readouts
- ◆ Footswitch allows the user to transfer caliper data while handling the animal and the caliper manually
- ◆ inch/mm conversion

TECHNICAL INFORMATION

- ◆ Range 0 - 200 mm
- ◆ Accuracy 0,05 mm
- ◆ Weight 225 gram
- ◆ RS-232 interface



CALIPERS

DCS-2 Digital Caliper System / 11021



This device for measuring tumor masses and other soft tissues in laboratory animals has a clear digital read-out and a serial port for data transfer. It can be connected directly to a computer, however it can also be plugged into various BMDS reader systems, thus allowing the user to match animal identification data with the corresponding caliper measurements. It is equipped with specially accommodated jaws to protect the animal from injuries.

The DCS-2 digital caliper system consists of:

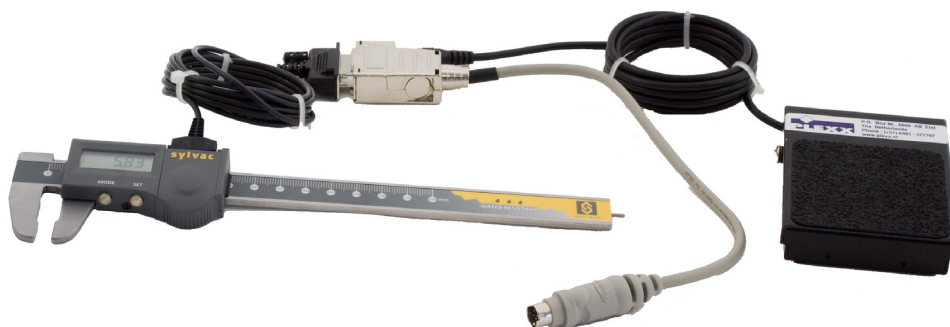
- ◆ Caliper with specially accommodated jaws, preventing accidental injuries
- ◆ Cables and interface to directly communicate with DAS-8001 and/or computer
- ◆ Footswitch
- ◆ Calibration block

FEATURES AND BENEFITS

- ◆ Ideal for outside measurements
- ◆ Digital display for accurate readouts
- ◆ Footswitch allows the user to transfer caliper data while handling the animal and the caliper manually
- ◆ inch/mm conversion

TECHNICAL INFORMATION

- ◆ Range 0 - 200 mm
- ◆ Accuracy 0,05 mm





SOFTWARE

DASHOST™ Communications Software



FOR 6000 / 7000 SERIES / 11064

FOR 8000 SERIES / 11290

DASHost™ communications software presents a simple method of transferring data to your computer. This Windows application is the interface between BMDS scanners and PC's. It is a menu driven software solution enabling users to receive, control and route data from various sources such as transponders, scales, calipers and more. Data can be saved to a file or inserted directly into widely used applications such as Microsoft Excel™ - or virtually any other program.

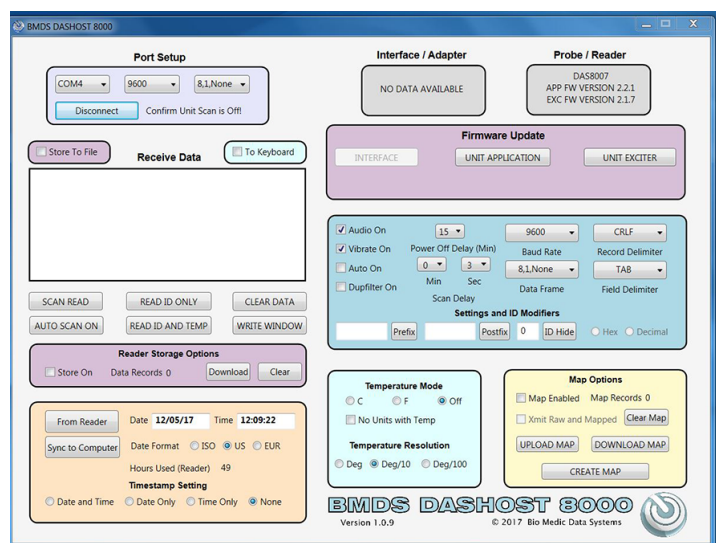
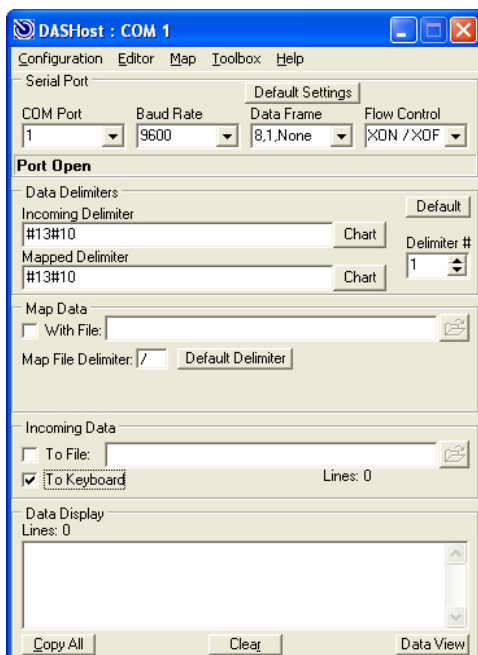
To bring data directly into Excel™, select the "To Keyboard" option and the computer treats your data from the scanner just like data typed onto the keyboard. Then, make Excel™ your active window and select the cell into which you want your data to start entering. With the delimiters set properly, your data will flow into the appropriate cells. If you have a formula set, the calculation is performed at the time of the scan.

FEATURES AND BENEFITS

- ◆ DASHost™ is the interface between BMDS scanners and Windows based computers
- ◆ Collects data from various sources such as scales and calipers
- ◆ Saves data to a file or directly into widely used applications such as Microsoft Excel™
- ◆ Software keyboard wedge and serial port communication utilities
- ◆ Maps ID codes to IMI transponders
- ◆ Programs ID codes to IPTT transponders
- ◆ Programs ID codes to IPT transponders
- ◆ Manages scanner configurations
- ◆ Manages the set up of communication ports
- ◆ Can be used to upgrade reader firmware

TECHNICAL INFORMATION

- ◆ Requires Windows operating system
- ◆ USB to serial devices are supported when recognized by the operating system
- ◆ Multiple sessions allow integration of up to 3 peripheral devices
- ◆ A multi-user license enables you to share DASHost™ over a network cap covering





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PLEXX BV

P.O. BOX 86, 6660 AB ELST
THE NETHERLANDS

T +31 481 377 797
E INFO@PLEXX.EU

CONTACT UK

T +44 800 228 9460
E UK@PLEXX.EU

CONTACT GERMANY

T +49 151 230 58 865
E DE@PLEXX.EU

CONTACT FRANCE

T +33 344 151 244
E FRANCE@PLEXX.EU