

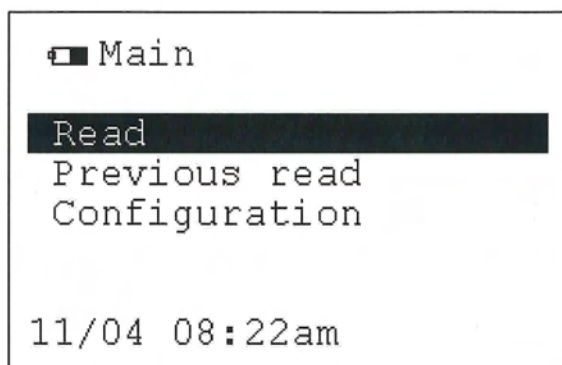
# User Reference Guide

## Stemco Active HandBAT handheld Reader

### Turning a unit on

When a **HandBAT** is first picked up the display will normally be turned off. To turn the unit on press any key. If the display contrast appears too dark, or too light, press the **MAIN** function key and then the right or left arrow keys to change the contrast. The right arrow key each time it is pressed will darken the display. The left arrow key each time it is pressed will lighten the display.

### Main Menu

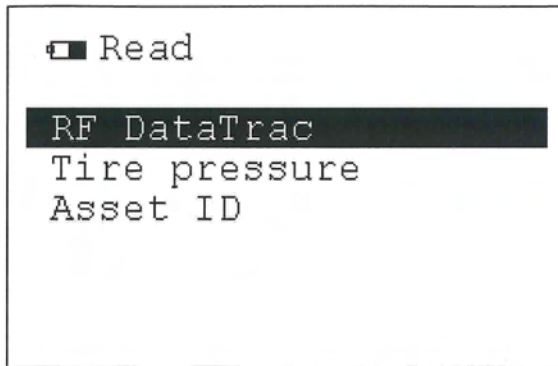


This screen is the Main Menu and is used to perform the intended functions of the RFID handheld reader. Select the function you wish to perform. You have three functions to choose from. The primary function of the **HandBAT** is to **Read parts**. The second is reviewing **Previous readings information** stored in the hand held device. The third is for **Configuring** the hand held device.

**At any time, and in any screen on the HandBAT, you can press the help key for assistance.**

### Read part

This is the primary screen option used to read your BAT|RF tags installed on your Vehicles. To activate this option press the up or down keys to highlight this option, then press the **Enter Key** found in the middle of the up/down arrow keys. After depressing the **Enter Key** you will be presented with the **Read tags** screen as shown below.

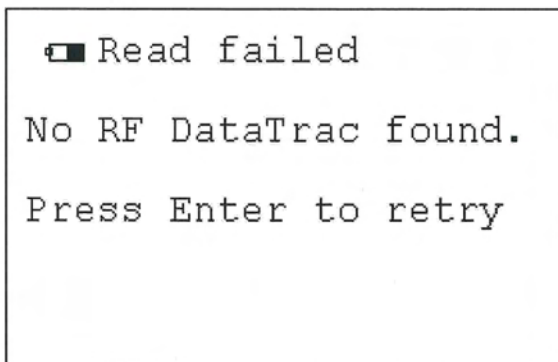


Select the type of BAT|RF Sensor you wish to read at this time. You have several choices to choose from: Mileage tags, and AirBat sensors. Select your choice by using the up/down keys to highlight your desired Sensor type and pressing the **Enter Key**.

**NOTE: Make sure you are within range of the sensor you are before attempting to read. If several sensors can be seen at once it may be necessary to get closer to the desired sensor so that you know which sensor you are reading.**

#### **READING TracBat mileage sensors**

If you have a TracBat mileage sensor, then use the up/down keys to highlight this menu item. Point the hand held at the TracBat you wish to read, and press the **Enter Key**. If the tag is not within range or there is a problem with the tag, then you will get the Read Failed screen as shown below.



This may be caused by not holding your handheld reader within range of the TracBat mileage sensor you wish to read. Please move to within the reading range and try again. If the problem persists, and you cannot read the desired sensor, then Contact a Stemco service specialist.

When a successful read of the TracBat has taken place, the following screen will appear on the **HandBAT**. This screen is the main information screen for the TracBat. There is a sub-screen available which will read the trip mileage data from the sensor.

```
RF DataTrac
Rd# 16  11/04 08:29am
S/N      0187649/40 4

Life      0000000 km
Trip      Press >
```

To read the trip mileage information, press the right arrow key. Note that the trip mileage has a resolution of tenths of a mile. When you chose to get the trip mileage it will reread the mileage sensor and return a screen similar to that shown below. At this point all the life and trip information has been stored in the **HandBAT**.

```
RF DataTrac
Rd# 67  08/27 03:35pm
S/N      0187617/28 4

Life      0000014 mi
Trip      000014.3 mi
Reset trip Press ^
```

Reset the trip mileage information that is stored in the TracBat sensor, by pressing the up arrow key.

**\* Caution, this will erase the trip information stored in the TracBat. When you press the up arrow key, the following screen will appear on the HandBAT. At this point, all of the data for the current sensor being read has been stored in the HandBAT, and displayed.**

```
RF DataTrac
Rd# 67 08/27 03:35pm
S/N      0187617/28 4

Life      0000014 mi
Trip      000000.0 mi
Reset trip Press ^
Trip Reset OK
```

If you press the up arrow key, and the **HandBAT** finds a different sensor than the original one being read, then the following message will appear.

```
Read error

Found different RF
DataTrac.

Press > to retry
```

Move the **HandBAT** closer to the desired TracBat, and press the right arrow key again. At this time the Trip Reset OK screen should appear.

**\* If for some reason the trip mileage cannot be reset in the TracBat, the following screen will appear on the HandBAT.**

```
RF DataTrac
Rd# 67 08/27 03:35pm
S/N      0187617/28 4

Life      0000014 mi
Trip      000014.3 mi
Reset trip Press ^
Trip Reset failed
```

### **READING AirBat sensors**

```
Read
RF DataTrac
Tire pressure
Asset ID
```

If you have an AirBat sensor, then use the up/down keys to highlight Tire pressure. Point the **HandBAT** at the BAT|RF AirBat sensor you wish to read, and press the **Enter Key**. If the sensor is not within range or there is a problem with the sensor, then you will get the Read Failed screen as shown below.

```
Read failed

Unable to read
tire pressure.

Press Enter to retry
```

This may be caused by not holding your **HandBAT** within the range of the Airbat. Please move to within the reading range and try again. Contact Stemco service specialist if you cannot read a BAT|RF sensor for any reason.

When a successful read of the BAT|RF AirBat has taken place, the following screen will appear on the **HandBAT**. This screen is the main information screen for the BAT|RF AirBat. Up to 4 AirBats sensors can be displayed at a time.

```
Tire pressures
Read more
Read#      Data
  71      100-80i PSI
  73       85-78i PSI
```

This screen allows you to either read more AirBats or to look at the details of any of the AirBat sensors that were read. To see the details use the up or down arrow key to



highlight the sensor of interest and press enter. The following screen will appear. The data is now stored in the hand held reader for later viewing.

```
Dual pressure
Rd# 73 08/27/04 15:52
S/N      0166422/10 4
Outer    85 PSI
Inner    78 PSI
Limits   85-115 PSI
Temperature 24 C
PSI      limits press >
```

To change the pressure warning limits on the sensor press the right arrow key. A screen similar to the one shown below will be displayed.

```
PSI limits

Low PSI limit 80
High PSI limit 105
Write PSI limits
```

If you want to change the limits, use the arrow keys to navigate to the setting you want to change, then press enter and you will be allowed to change the limits in 5 PSI increments by once again pressing the up and down arrow keys. When the limits have been set to the desired values press the **Enter Key** which changes the default write settings then arrow down to the write PSI limits line and press enter. This will write the limits to the desired tag. The writing screen will be shown as portrayed below.

```
Writing ...

Company Logo
```

Then you will be returned to the previous screen with a message about whether or not the write was successful. If the write to the AirBat sensor works a screen similar to the one shown below will be returned. If you now press the back key twice, and cursor up to the

Read more menu item, you can verify the limits have been set by pressing the **Enter Key** while Read More is highlighted. The new limits should be shown on the screen.

```
PSI limits
Low PSI limit    80
High PSI limit   105
Write PSI limits
Limits changed
```

However if the write failed a different screen will appear with the failed message. If you should get the Write Failed message, you might move the hand held reader closer to the sensor being written to. By pressing the **Enter Key** again, it will try and write out the desired pressure limits.

```
PSI limits
Low PSI limit    80
High PSI limit   105
Write PSI limits
Write failed
```

To return to the Main menu depress the MAIN key.  
To return to the previous screen press the BACK key.  
To get Help (additional directions) depress the HELP key.

### **Previous reads**

#### **VIEWING RECORDS**

Each time you read any BAT|RF tag, the data is stored in the **HandBAT**'s internal memory. The data is assigned a read sequence number. This allows the user to easily and quickly retrieve tag data previously stored in the **HandBAT**. The memory can hold up to 400 records. When this memory is full the **HandBAT** will replace the oldest record in the stored record list upon each new read event. This means that when the 401 record is stored, record 1 is erased, and replaced with the data for 401. Record 2 now becomes the oldest record.

To view the records, from any screen, press the main key. This will return you to the main screen. Using the up or down arrow keys, highlight the **previous reads** option in the main menu and depress the **Enter Key**. The following screen will appear.

```

▣ Previous reads
View records.
Erase all records

```

Press the **Enter Key**, and the following screen will appear. The most recent record will be displayed and highlighted. To view the detail data of any record, move the cursor up or down to highlight the desired record, and press the **Enter Key**. The cursor moves up or down one record each time the up or down arrow key is pressed. You can move down 5 records by pressing the right arrow key, or you can move up 5 records by pressing the left arrow key.

```

▣ View records
Read#      Data
72 128-000i PSI
71 100-090i PSI
70 0013020 mi
69 0013010 mi
68 0010020 km

```

Highlight the desired record and press the **Enter key**. A sample record screen is shown below.

```

▣ Dual pressure
Rd# 72 08/27/04 15:52
S/N 0166422/10 4
Outer 128 PSI
Inner 0 PSI
Limits 85-115 PSI
Temperature 24 C

```

This screen tells you the tag **HandBAT** either single or dual pressure monitory. It shows the exact date and time of the read event and the BAT|RF tag serial number. The inner and outer tire pressure, high and low pressure limits, and the temperature at the BAT|RF tag when the pressure was measured.

Press the back key to return to the previous menu. The second item in on this page is the Erase all Records feature.