

Delphi

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Fig 1



Fig 2

> or < flashes to indicate data connection.

Power indicates the PDA battery's charge.

Supply indicates load cell battery's charge **.

Signal indicates the radio signal strength ***.

Tare shows the tared value stored in the device.

Quick Start Instructions

- 1 Press the **Power** button to turn on/off the PDA
- 2 Tap the **Home** icon until **Delphi** icon is displayed as shown opposite.
- 3 Tap **Delphi** icon. System 'looks for' transducer and connects via bluetooth serial port.
- 4 Once the devices are connected the operator is prompted to tap **[Start]** and enter the PIN ().
- 5 Key in the PIN and tap **[Enter]** to go directly to the load display screen (fig 2).

Note: Briefly pressing the **Power** button and the **Back Light** buttons simultaneously will 'soft reset' the hand held device.

Note: A technical PIN is required for calibration purposes. The default technical PIN is the serial number of the cell. (For load cell with serial number B123, PIN = 123). **The technical PIN provides access to sensitive calibration settings and must only be used by properly trained staff.**

The Load Display

- 1 **[Peak]** or **[Track]** press to toggle between displaying peak load or tracking the live load.
- 2 **[Back]** press to return to the Logon Screen
- 3 **[Zero]** press to clear the tare setting and return the display to zero.
- 4 **[Tare]** press to tare the instrument zeroing out any load displayed.

** **NOTE:** Low **supply** (load cell battery) reading of (<10%) may result in inaccurate readings.

*** **NOTE:** Low **signal** reading (<50%) may result in lost communications requiring a restart.

Restoring System Settings

Following a period of disuse or the removal of the battery pack for transportation, the batteries in the PDA may discharge to the extent that the Factory Settings are no longer loaded in system memory and must be restored. The following instructions will assist you in completing this task with a minimum of fuss.

1. Press the power button to power up the PDA
2. A series of 4 screens will be displayed to take you through the initial setup of the PDA.. At the end of this process you will be at the PDA Main Screen.
3. Locate the Cardbkup Icon on the screen and tap it.
4. Tap [Restore] to run the backup1 file which will restore the Delphi Factory Settings.
 - Tap [Full Restore].
 - Tap [On Card] if/when asked about the exclusion list.
 - Tap [Reset Now] once the copying of files concludes.
5. If the Date, Time and Time Zone settings are correct in the preferences screen, tap the Home Icon (House graphic on lower panel of screen).
6. Tap on the word "All" on the top right corner of the screen.
7. Tap on the word "Delphi".
8. The Device is ready to use.

Data Logging

Data logging is available and may be enabled/disabled by entering a default code in the numeric screen when starting the Delphi system.

1. Timed Mode - for Timed Data Logging the code is 999993 and is activated by selecting the period at which the displayed load will be recorded. The time is hour referenced in seconds with 10 seconds being the minimum and whilst activated a "T" will appear below the load window of the display. *Note:* A time entry of zero resets the function.
2. Operator Log Mode – the code for this mode is 999994 and is activated by selecting 1 (on) or 0 (off) in the following screen. When activated an "L" will appear below the load window of the display. The data is "logged" when the [Back] button is tapped which also takes the display back to the numeric window. Re-keying the operator pin gets the load displayed again with the data now stored to file.
3. An individual identity can be ascribed to the load being measured. It is accessed by entering default code 9 in the numeric screen and entering a user selected ID number related to the load.
4. Viewing the data – the data is stored as a text file in the card file storage module. The stored data can be viewed by entering the default code 999995 or alternatively by downloading the data file to a PC via USB cable (supplied) and the card export application found on the PDA main screen. The text file is compatible with applications such as MS Notepad and MS Excel. The column headings for the downloaded file are Time, Rec No, Identity, Load ID, Tare and Load. They are given here as they are not shown in the downloaded file.

Choosing Batteries

The PDA is supplied with a lithium battery pack and must be recharged as required according to the manufacturers instructions. Recharging equipment for mains power and 12V motor vehicle supply is supplied with the system.

The recommended batteries for the load cell radio transducer are 3 x AA alkaline cells. Optionally 3 x AA NiMH rechargeable cells could be used at the owner's discretion.