



Straightpoint

(UK) Limited

World Leaders In Load Monitoring Technology

Operators Instructions For:

Radio-Link *plus*

Multi Link and single display

General Description

The Radio-Link plus is an advanced microprocessor controlled wireless portable force measuring device.

It features a robust weatherproof construction, easy-to-read display and a long battery life.

The devices are delivered ready to use, complete with batteries and certificate of calibration.

Robust carry cases are available to protect this device during transit and storage - ask your supplier for details.

These devices have a normal range of 100 metres, also available is an optional external aerial to fit on the Radio-Link allowing control of this device at distances up to 300 metres.

Getting Started

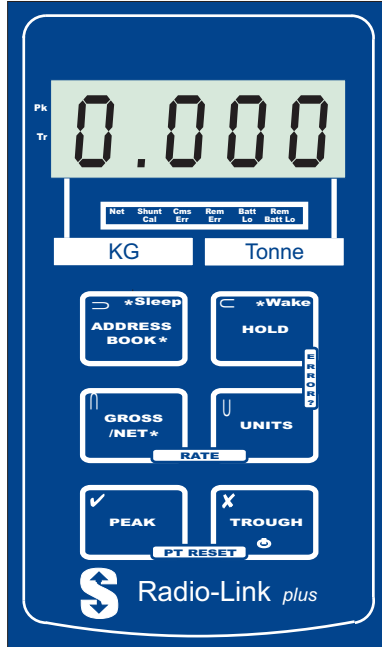
These devices are simple to use and will give long trouble free service if used as intended.

Before attempting to use the device ensure that the capacity of the unit is suitable for the task being undertaken.


The safe working load is shown on the front of each device. e.g. MAX. 5t x 0.001t has a maximum working load of 5 metric tonnes or 5000kg.

The unique address of the Radiolink is detailed on the side of the link, for instance 0003F5.

Keypad



This key has three functions:

- 1)  Pressing this button for 5 seconds turns the handheld display on and off.
- 2) **TROUGH** When in normal measuring mode, pressing this button will set the “trough hold” function. This mode will freeze the display at the lowest reading recorded. Trough hold is activated until the button is repressed. When activated an annunciator on the display will point at the “Tr” symbol.
- 3) **X** When in set up mode or sleep selection this key acts as the “no” decision.



This key has two functions:

- 1) **PEAK** When in normal measuring mode, pressing this button will set the “peak hold” function. This mode will freeze the display at the highest reading recorded. Peak hold is activated until the button is repressed. When activated an annunciator on the display will point at the “Pk” symbol.
- 2) ✓ When in set up, sleep or address selection mode this key acts as the “yes” decision.



Pressing the units button will switch between the two units of measure shown on the handheld display (Normally tonnes and KiloNewtons) an annunciator on the display will point at the selected unit.



Pressing the gross/net key will zero the reading and display a net value. Once pressed an annunciator on the display will point at the “net” symbol. To revert to gross mode re-press the button.



This key has two functions:

- 1) **HOLD** When in normal measuring mode, pressing this button will set the “hold” function. This mode will freeze the display at the time of button press. Hold is activated until the button is repressed. When activated the display will flash.
- 2) ***Wake** When in address selection mode this button will wake up the selected Radio-Link.



This key has two functions:

- 1) **ADDRESS BOOK** When in normal measuring mode, pressing this button will toggle through the Radiolink addresses programmed into the handheld display.
- 2) **Sleep** Once a Radiolink address has been selected pressing the button again will select sleep mode.

Combination Buttons



Pressing the “Gross/Net” and “Units” keys simultaneously will select monitoring rate, you can select from

:

Slow - One sample per three seconds

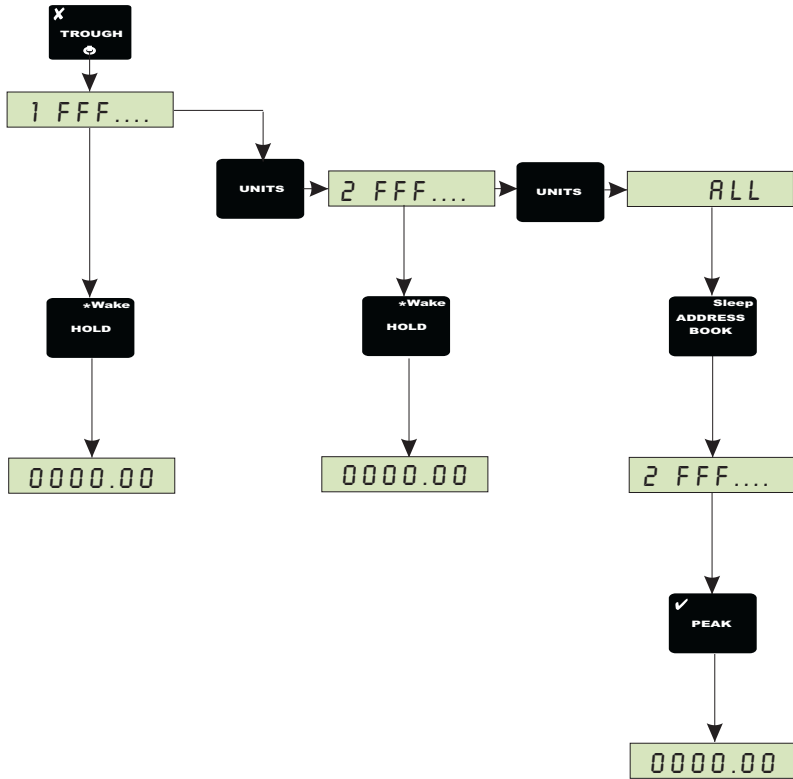
Medium - One sample per second

Fast - Three samples per second

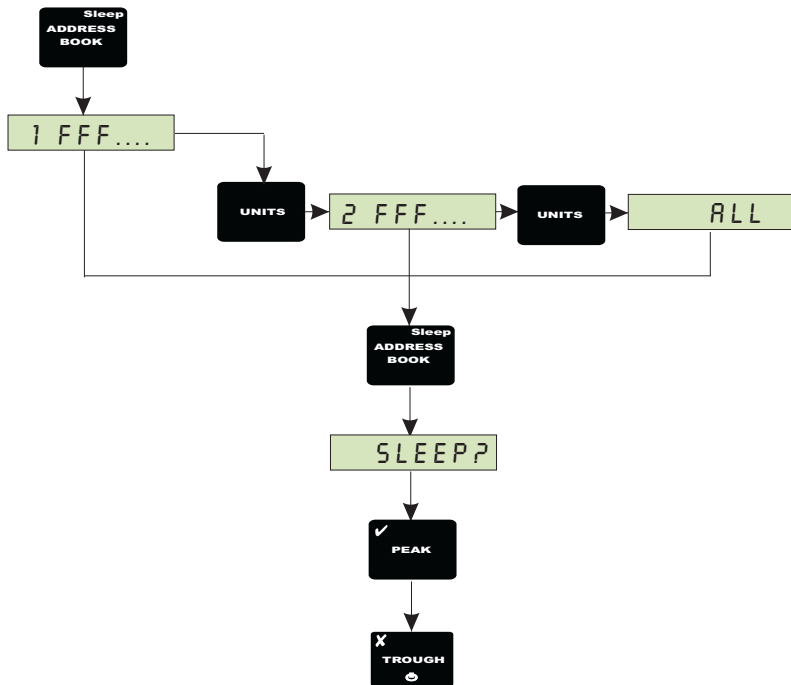


Pressing the “Trough” and “Peak” buttons simultaneously will reset the stored value without switching ‘peak’ or ‘trough’ hold off.

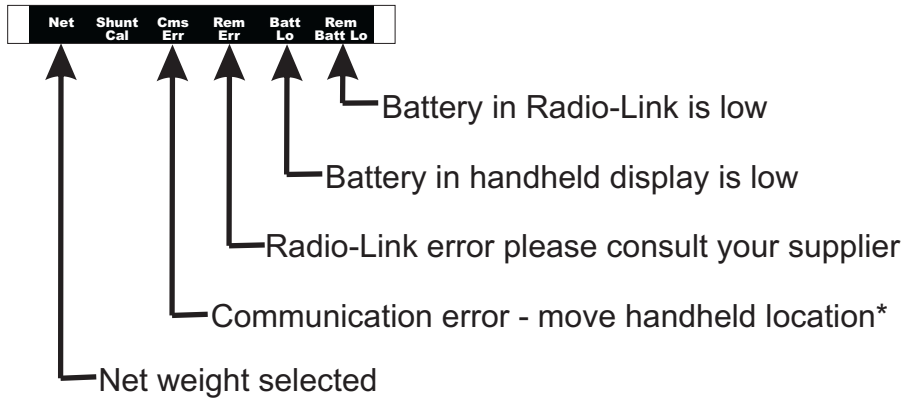
Switch on and Measure A Load



Switch off After Measuring a Load



Annunciators



* Once the communication has been re-established you may

reset the error flag by holding down the **UNITS** and



keys simultaneously for 4 seconds.

Then press the



key twice,

once to acknowledge the error and again to reset.

Battery Care

When the handheld battery is getting low (1-2 hrs remaining) the “BATLO” annunciator will display.

When the Radiolink battery is low the ‘REM BATT LOW’ annunciator will display.

When the batteries are low they should be replaced with AA alkaline cells.

To remove the Radiolink battery cover remove the four cross head screws, change batteries and re-tighten. To change the handheld batteries remove the small screws retaining the back cover using a phillips screwdriver

Ensure that the batteries are firmly in position, correctly connected, and that the gasket sealing area is clean and dry before repositioning.

Care And Faults

While these devices are sealed to IP65 standards they should not be immersed in water.

The effects of solvent on the device can not be guaranteed, and so should be avoided.

Avoid use within 20-30 minutes of rapid changes in temperature - for example moving the device from a cold vehicle into a warm room. The change in temperature can affect the accuracy of the device, the operating temperature is -10 to +50 centigrade.

Should the display show “overload” remove the load immediately **AS THIS INDICATES AN OVERLOAD SITUATION.**

Check the load applied is within the safe working load of the device, if it continues to display overload contact your supplier.

Service And Calibration

These products are supplied with a certificate of calibration which is valid for one year.

After this date it is recommended that the device is recalibrated by Straightpoint or an approved calibration laboratory. At this annual service the lithium battery will automatically be replaced.

Contact the Straightpoint service department or your supplier for more information.

In the unlikely event of this device failing, fit a new battery and re-test. Only when this has been done should you contact your supplier to report the fault. When reporting the fault it is important to give a full description of the problem and the type of application the device is being used for.

You may find it useful to note your Radio-Link unique address here.

Capacity	Handheld Serial Number	Radio-Link Address

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