



## HHP - Handheld Plus™



Operating instructions

PLEASE NOTE THAT STRAIGHTPOINT ACCEPT NO RESPONSIBILITY FOR ANY ERRORS OR OMISSIONS WITHIN THIS MANUAL.

# HHP user manual

v2.00  
Part No:  
SU3343

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**All products manufactured and sold by Crosby|Straightpoint Ltd, are sold with the express understanding that the purchaser and user are thoroughly familiar with the safe use, proper care and application of the product.**

Responsibility for the safe use, proper care and application of the product rests with the user.

Failure of the product can occur due to misapplication, abuse, overloading, or improper care and maintenance.

There are numerous government and industry standards that cover products manufactured and sold by Crosby|Straightpoint Ltd. This document makes no attempt to reference all of them. We do reference standards that are most current like ASME B30.26-2010 “detachable load indicating devices.”

Ratings shown in Crosby|Straightpoint Ltd literature are only applicable to new or “as new condition” products.

Rated capacities define the greatest force or load a product can carry under usual or normal environmental conditions. Shock loading and extraordinary conditions must be taken into account when selecting products and product capacity.

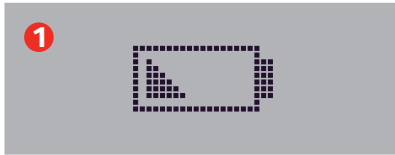
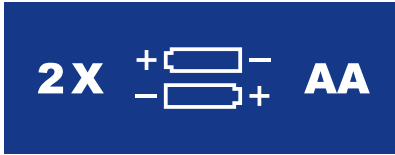
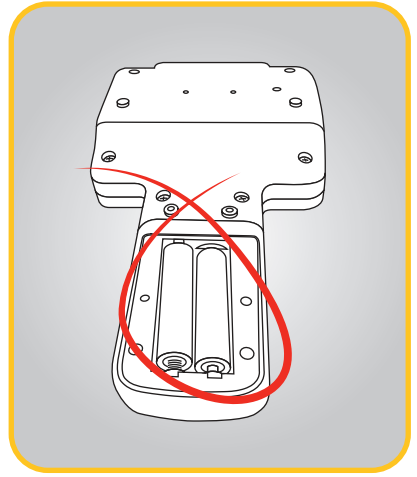
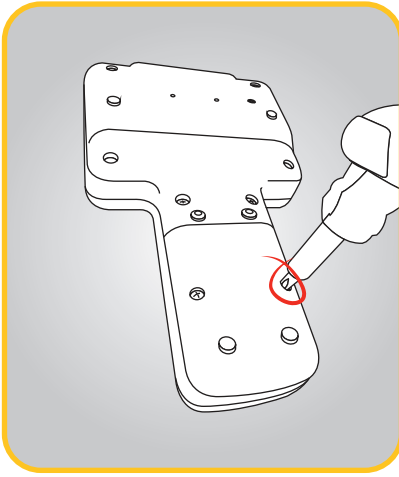
Some of the products in the Crosby|Straightpoint Ltd catalogues are designed for use with rigging hardware and components which could be supplied from several different manufacturers. It is crucial that you read and understand the literature from these manufacturers, as well as governmental standards and industry technical manuals.

The rated capacity, design factor and efficiency rating of each Crosby|Straightpoint Ltd product may be affected by wear, misuse, overloading, corrosion, deformation, intentional alteration, age and other use conditions.

The recommended proof load on all items manufactured and sold by Crosby|Straightpoint Ltd is twice the working load limit (WLL), unless otherwise shown. Proof testing is included on all Crosby|Straightpoint Ltd load indicating products.

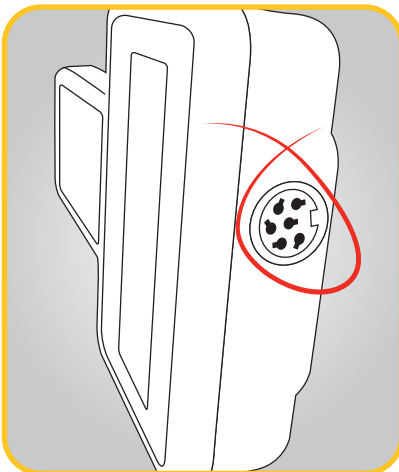
# HHP batteries and connection

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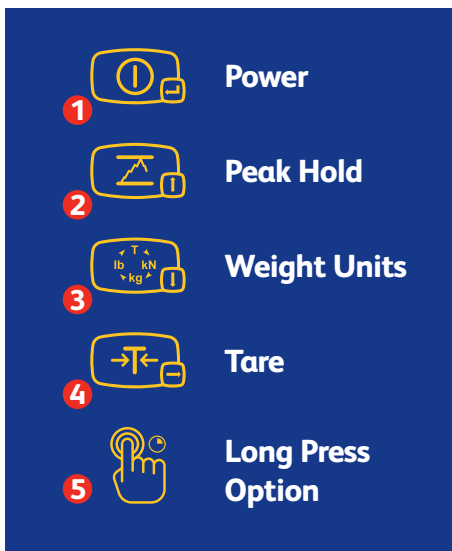


Before use fit the 2 x alkaline AA batteries (1.5V) supplied by removing the two cross head screws which retain the battery cover. Once fitted, refit the battery cover.

When the battery is getting low, the Low Battery icon ❶ will be displayed on the left corner of the screen. When this happens, they should be replaced with 2 x alkaline AA batteries, LR6, L91 or equivalent.



Plug the load cell into the 6 way female socket located on the top of the HHP. Please refer to the load cell user manual for guidance on its use.



**1** **Power (Return/Enter Key)**  
Press this button for three seconds to turn the device on and off. The device will switch itself off after 20 minutes.

**In Menu** – Use this key to enter in to a selected item. After finishing editing, use to save and return to the menu.

**2** **Peak Hold (Up Key) - icon circled in blue on handheld**  
– this key can be used for multiple functions.  
Press to initialise the peak hold facility. Once pressed, the display will show the 'Peak Hold Icon'. This will make the display 'freeze' at the highest load recorded. Press the key again to see the live reading.

**Long Press Function** – to reset the current peaks, press and hold the key until it beeps. Once reset, the latest current peaks will be shown.

**In Menu** – use this key to scroll up through the menu items and increase the selected value of an item by 1.

When the maximum value is reached, it will reset to the lowest. Press and hold to scroll through the values quicker.

**3** **Weight Units (Down Key) - icon circled in yellow on handheld**  
– this key can be used for multiple functions.  
Press this button to toggle through the various units of measurement.

Select from T- tonnes, kN - kiloNewtons, kg - kilograms or lb - pounds. The selected unit is shown on the display.  
**In Menu** – use this key to scroll down through the menu items and decrease the selected value of an item by 1. When the lowest value is reached, it will reset to the highest. Press and hold to scroll through the values quicker.

**Note:** Prior to the purchase of this unit, the purchaser can specify that the toggle through units function be factory set to not function. This is so that the handheld only uses one unit type only (also needs to be specified by purchaser). If set to not function, the unit will only beep when the key is pressed.

**4** **Tare key - icon circled in red on handheld**  
Pressing this button will tare the display. When in net mode, the display will show the Tare icon. The same key can be used to permanently tare the value - firstly, enter in to net mode and then press and hold the button until you hear a beep sound.

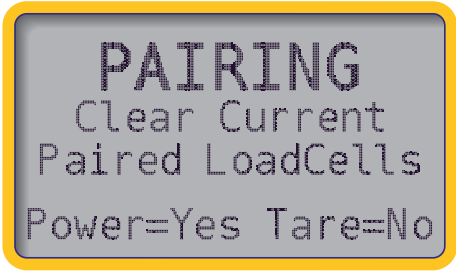
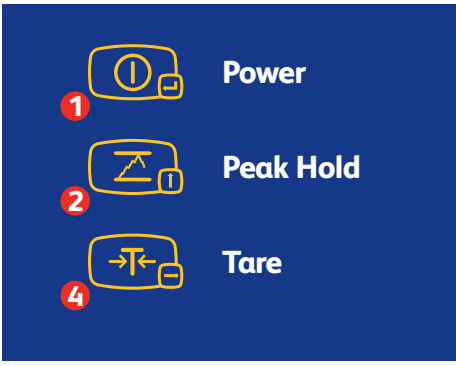


fig.1

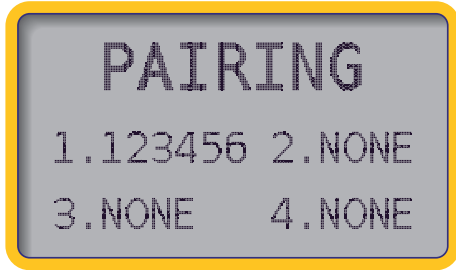


fig.2

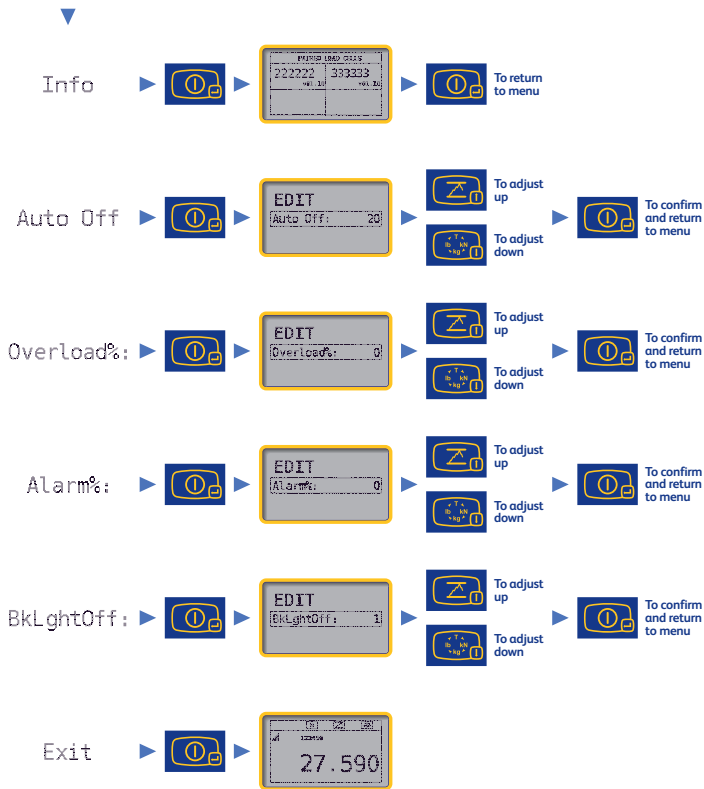
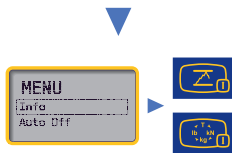
**Pairing to a cabled load cell (if sold separately).**

Press **1** Power + **2** Peak Hold  
'Pairing: Clear Current Paired LoadCells' screen will appear (fig.1).

Press **1** Power to confirm (Yes), or press **4** Tare to abort (No).  
The pairing screen will then appear (fig 2).

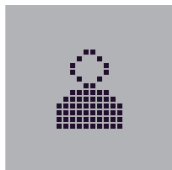
Press **4** Tare to confirm pairing to connected load cell.

Press **1** Power + **2** Peak Hold to end pairing.



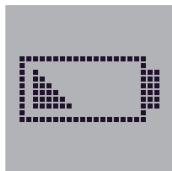
# HHP menu navigation

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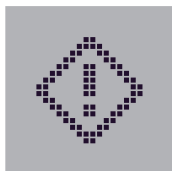
**ALERT – Overload warning**

If load > 110 % WLL. Latching and permanent.  
 ⚠ Return load cell and handheld to service centre for recalibration. ⚠



**ALERT – Low Battery Warning**

Battery life near to being exceeded on either the load cell or handheld.  
 Time to replace batteries.



**ALERT – Recalibration Due Warning**

Recalibration is imminent – check calibration certificate validity before using load cell. Return to service centre.



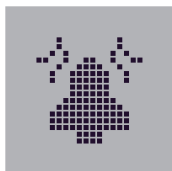
**Warning**

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Check Load Cell Calibration Date  
[recal@straightpoint.com](mailto:recal@straightpoint.com)

**Note:** If recalibration of the load cell is needed, this screen will be displayed on the handheld while the power is on.

Load cell calibration is due. Return to service centre.



**ALERT – Alarm**

Alarm level reached (non-latching).



**ALERT – Wireless Signal Strength**

Connection strength between handheld and load cell.  
 Shown as 0-5 bars.

**1 Over load**

**2 LC error**

- 1 OVERLOAD ERROR**  
Overload error with load cell.
- 2 LOAD CELL ERROR**  
Functional error with load cell.  
If reoccurring; return to service centre.



Ensure that the device is switched on 10 minutes before loading, this will allow the temperature stability circuitry to acclimatise.

Apply the load SLOWLY and watch the display on the device to ensure that the load applied is not greater than you had estimated.

Avoid shock loads.

Do not apply large twisting forces to these devices as it may damage them beyond repair.

After use, switch off and, if removing the device from the test site, clean and store, ideally in a Crosby|Straightpoint carry case. If the device is to be stored for long periods of time, please remove the battery.

# Terms

## Product aftercare

While these devices are sealed to IP65 / NEMA4X standards, they should not be immersed in water. The effects of solvent on the device can not be guaranteed, and should therefore 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°C to +50°C or 14°F to 122°F.

Should the display show "OVERLOAD" remove the load immediately as this indicates an overload situation. Check that the load applied is within the working load limit 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 the device is recalibrated by Straightpoint or an approved calibration laboratory.

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

In the unlikely event of this device failing, fit new batteries 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.

## Warranty

Crosby|Straightpoint (UK) Ltd warranty this product against malfunction for a period of two years from manufacture.

Conditions of warranty:

- 1) The equipment is used as described exactly in the operators manual supplied.
- 2) Whilst we make every effort to ensure each device is calibrated before despatch, Crosby|Straightpoint (UK) Ltd do not accept responsibility for inaccurate readings indicated by this equipment.
- 3) In the event of malfunction, the device is returned to the manufacturer:  
Crosby|Straightpoint (UK) Ltd, Unit 9 Dakota Park, Havant, Hampshire, UK, PO9 2NJ.
- 4) If we consider any malfunction to be caused by misuse, this warranty is void and any repair will be charged for accordingly.

Distributor Stamp



**Crosby | Straightpoint**

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