

## BASIC TECHNIQUES

Always begin by lifting or pulling until the gauge 'takes the strain', then check the display to ensure the Safe Working Load will not be exceeded.

You can then continue lifting or pulling normally to obtain a true reading of the load on the gauge.

If you should accidentally exceed the Safe Working Load, the display will show '- HI -'. Reduce the load as quickly as it is safe to do so until the display reverts to normal.

The readout from this unit is accurate +/- 0.2%. Each time the unit is released from its load, it will carry out a self check diagnosis, reset to zero and will display 'NENO' to confirm all is OK.

Note that the display can be reset to ZERO at any time by pressing button ②, thus allowing the measurement of Tare Weight.

In addition, to display only maximum loading, press button ③ at the start of the lift/pull. Having noted the reading, press ③ again to revert to normal operation.

## EQUIPMENT CARE

Never use this equipment for anything other than its intended purpose. If it will not do what you want, contact your local branch of HSS Lift & Shift for advice.

Handle the equipment with care. Avoid dropping, knocking or otherwise exposing it to damage.

Keep the equipment clean. You will find this less of a chore if you clean up regularly, rather than wait until the end of the hire period.

Do not attempt to use this equipment in temperatures lower than -10°C or above 50°C.

Keep the equipment dry. If moisture should get into the casing, it will damage the gauge's electronics.

Keep the manufacturer's instruction manual supplied with the equipment safe, clean and dry.

Always remove the batteries before storing the unit away for any length of time. Simply squeeze the side catches and slide it off. To replace it, slide it back onto the unit until the catches re-engage.

### Low Battery?

A 'Low Battery' symbol will appear at the bottom of the display if the batteries need changing. Simply fit three new, 1.5V AA High Powered Alkaline batteries in the battery compartment and dispose of the old batteries safely.

When not in use, store the equipment in its carry-case, somewhere clean, dry and safe from thieves.

## FINISHING OFF

To switch the unit OFF, press button ①. The display will show '-STOP-' for a few seconds before going blank.

Finally, clean the equipment thoroughly, ready for return to your local branch of HSS Lift & Shift.



### ...any comments?

If you have any suggestions to enable us to improve the information within this guide please fax your comments or write to the Product Manager at the address below

Fax: 0181-687 5001

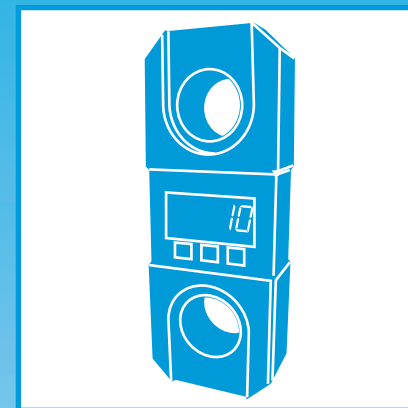
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## Operating & Safety Guide LS3

# HSS Lift & Shift



## Digital Load Indicator

For an accurate digital read-out of an applied load.



Code 70940/4/5/6/7/8

## GENERAL SAFETY

**For advice** on the safety and suitability of this equipment, **contact your local branch of HSS Lift & Shift.**

This Guide is intended only as a ready-reference and not as a substitute for the manufacturer's instruction manual supplied with the product.

**This equipment has been designed for use by a competent, able-bodied adult who has read and understood both this Guide and the instruction manual supplied.** Seek expert advice before you use this equipment if you suffer from any temporary/permanent disability.

**There is a serious risk of personal injury if you do not follow all instructions laid down in this guide.**

**Keep children, animals and bystanders out of the area.**

**It is the hirer's responsibility that all necessary precautions are taken to ensure the safety of anyone using this equipment.**



**Never use this equipment if you are feeling tired, ill, or under the influence of alcohol or drugs.**



**Wear sensible, protective clothing and footwear when working.** Avoid wearing loose garments or jewellery and tie back long hair that could get in your way.

**Check the equipment's condition before use and at regular intervals thereafter.** If it shows signs of damage or excessive wear, **DO NOT USE IT.** Return it to your local branch of HSS Lift & Shift.

**NEVER exceed the equipment's Safe Working Load** – as printed on the unit's casing.

## GETTING STARTED

**Fit the gauge as a link in your lifting/pulling set-up,** using a suitable, single shackle, hook or sling through each eyelet, **so that the load to be measured acts along its length.**

**Take special care to ensure that, in use, the gauge will not be subject to forces other than tensional forces acting along its longitudinal centre line.** Otherwise the unit will suffer damage and could fail catastrophically under load.

With the gauge off load, **switch the unit ON by pressing the button ① and wait until the display shows ZERO.** This may take a few seconds as the unit will first perform a series of self-tests to ensure its electronics are working correctly.

If required, check/change the gauge's units of measurement and display update delay time to suit your needs (see box).

## Changing Settings

**Step 1:** Press buttons ① and ③ simultaneously to show CONF on the display and release.

**Step 2:** The current unit of measurement will be displayed as a code; 'C1-' followed by a number between 1 and 6. To change it, press button ③ (to increase) or ② (to decrease) until the last digit of the code shows the setting you require (see table), then press button ① to accept.

**Step 3:** The current update delay time will be displayed as a code; 'C2-' followed by a number between 0 and 5. To change it, press button ③ (to increase) or ② (to decrease) until the last digit of the code shows the setting you require (see table), then press button ① to accept.

**Step 4:** Continue pressing button ① to skip the remaining, (unavailable) functions and return the display to normal.

## Remote Read-Out

A small, hand-held remote control/display is available for all models as an optional extra, for situations where it might be difficult to reach the gauge itself while in use.

To fit this, set up the gauge as described for normal use but, this time, after changing the units and delay settings, press button ① until the code 'C4 -' followed by a number between 0 and 2 appears on the display.

Change this using buttons ② and/or ③ until the last digit is a 1, then continue pressing button 1 until the gauge display reverts to normal.

You should now turn OFF the gauge (see Finishing Off), before connecting the remote unit to the gauge with the cable provided. Once this connection has been made, the gauge can be controlled normally as described using the buttons on the remote. That is, with two exceptions.

Firstly, the remote unit has a separate ON/OFF switch – button ① is used only to change settings. And secondly, the remote (which is powered by a single 9V PP3 battery) has a 'Low Battery' warning light. Low battery condition will not show on the display.

When you have finished with the remote, switch OFF, disconnect and reset the last digit of the C4 function to 0 in order to reset the gauge for stand-alone use.

## Configuration Codes

Last Digit	Unit of Weight	Display Update
0	N/A	continuous
1	kg	every 0.5 sec
2	tonne	every 1 sec
3	short-ton	every 2 sec
4	lbs	every 4 sec
5	daN	every 8 sec
6	kN	N/A

