

# S1100 USER MANUAL



BY ACTRONIC – A TRIMBLE COMPANY

## INTRODUCTION

The LOADRITE™ S1100 weighing system measures the weight of loads lifted by a tractor, forklift or other machine, adding them together to give the total load.

## S1100 DISPLAY

The S1100 display shows the selected implement, current lifted weight, total load (T), number of loads added to the total, and other information.

Implement1		
T: 1000		2
500		
ZERO	ADD	WEIGH

- ▶ Use the buttons under the screen to access the corresponding options, such as **ADD**, **WEIGH** and **ZERO**. Available options will change depending on context.

## POINTERS

When the LOADRITE™ S1100 weighing system is installed, pointers are affixed to the machine (the pointers may be painted marks); for example, on the loader frame and arm of the tractor, or the mast and carriage of the forklift.

It is important to become familiar with where the pointers are, as you will need to align them when weighing a load.

## WEIGHING A LOAD

**IMPORTANT:** Before weighing, ensure that either the bucket is fully rolled-back or the forklift mast is vertical.

- 1) Pick up a load.
- 2) Raise the bucket/forks until the pointer at the top of arm/carriage is aligned with the *upper* pointer on the loader frame/mast.
- 3) Slowly lower the bucket/forks until the pointer at the top of arm/carriage is aligned with the *lower* pointer on the loader frame/mast.

**IMPORTANT:** If you lower the bucket/forks too far, do not lift again; instead go back to step 2.

- 4) Press **WEIGH**.  
The load is weighed and the weight is displayed.
- 5) Press **ADD** within ten (10) seconds.  
The weight of the load is added to the total. The new total (T) and the number of lifted loads is displayed.

**NOTE:** If **ADD** is not pressed within ten (10) seconds, the weight will be discarded.

## FINISHING A TOTAL LOAD

When you have finished adding loads to the truck, trailer or other vessel, you must clear the total in preparation for the next job.

- ▶ To clear the total, press **CLEAR**.

## CHANGING IMPLEMENTS

After installing a new implement on the machine, you also need to change the implement on the S1100.

- ▶ To change the implement, press **IMPL**. until the correct implement is displayed at the top of the screen.

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# MAINTENANCE: ZEROING THE S1100

It is necessary to regularly *Zero* the S1100 to remove small errors which can occur due to changes in the friction of the hydraulic cylinders. *Zeroing* must be performed regularly, including every time the implement is changed.

**TIP:** You can use *Zeroing* to "tare out" the weight of a pallet or container to ensure it is not included in the load weight. For example, you can "tare out" the weight of a pallet from forklift loads by loading a pallet onto the forklift forks and then performing a *Zero*. All following weights will then exclude the weight of the pallet.

To *Zero* the S1100, complete the following:

**IMPORTANT:** Before weighing, ensure that either the bucket is fully rolled-back or the forklift mast is vertical.

- 1) Ensure that the bucket/forks are empty (unless a pallet or container is to be "tared out").
- 2) Raise the bucket/forks until the pointer at the top of arm/carriage is aligned with the *upper* pointer on the loader frame/mast.
- 3) Slowly lower the bucket/forks until the pointer at the top of arm/carriage is aligned with the *lower* pointer on the loader frame/mast.

**IMPORTANT:** If you lower the bucket/forks too far, do not lift again; instead go back to step 2.

- 4) Press **WEIGH**.  
The empty bucket/forks are weighed and the weight is displayed.
- 5) Press **ZERO** within ten (10) seconds.  
The message **Zero updated** is displayed.

## LEGAL INFORMATION

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### Disclaimer

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Actronic Ltd assumes no liability in connection with the use of any LOADRITE™ branded product.

LOADRITE™ accepts no liability for incidental, special, indirect or consequential damages resulting from an installer's or operator's failure to follow the guidelines in this manual, or those generally applicable to the industry in which the LOADRITE™ equipment is utilized. The foregoing limitation extends to damages for personal injury, property damage, loss of operations, loss of profits, loss of product or time, whether incurred by the installer, operator, operator's employer, or any other third party. Installation or use of the LOADRITE™ equipment shall constitute acceptance of the above conditions and limitations.

Actronic Ltd is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

### Compliance

Domain	Applicable Standard
Electromagnetic Compatibility (EMC)	CE: Directive 2004/108/EC C-Tick: AS/NZS CISPR 22 Class B FCC: Part 15 Class B - Radio Frequency Devices IC: ICES-003 Digital Apparatus
Emissions Standards (residential)	IEC/EN 61000-6-3:2007 Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments
Immunity Standards (industrial)	IEC/ASNZS/EN 61000-6-2:2005 Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments



Products with the CE marking comply with the Electromagnetic Compatibility Directive (2004/108/EC) issued by the Commission of the European Community. Compliance with this directives implies conformity to the following European Standards:

EN 61000-6-2:2005 Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments

EN 61000-6-3:2007 Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments

The Indicator is fully EMC (Electro-Magnetic Compatibility) compliant and is CE marked accordingly. A Declaration of Conformity, in accordance with the EMC Directive 89/336/EEC (and as amended) is available from Actronic Ltd on request: [info@loadritescales.com](mailto:info@loadritescales.com)

Actronic Ltd cannot be held responsible for modifications made by the User and the consequences thereof, which may alter the conformity of the product with CE marking.

Hereby, Actronic Ltd, declares that this LOADRITE™ S1100 is in compliance with the essential requirements and other relevant provisions of Directive 2004/108/EC.

The Indicator is compliant with RoHS Directive 2002/95/EC which sets limits for the use of certain restricted hazardous substances. This directive states that "from 1st July 2006, new electrical and electronic equipment put on the market does not contain lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE)".

This device complies with part 15 of the FCC Rules and Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This Class A digital apparatus complies with Canadian ICES-003 (A) / NMB-003 (A).

**WARNING:** This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. This Notice is being provided in accordance with California's Proposition 65.

### Disposing of the LOADRITE™ Indicator

This electronic product is subject to the EU Directive 2002/96/EC for Waste Electrical and Electronic Equipment (WEEE) which requires the separate collection, treatment, recycling and environmentally-sound final disposal of waste of electrical and electronic equipment. As such, this product must not be disposed of at a municipal waste collection point.

Please refer to local regulations for directions on how to dispose of this product in an environmentally friendly manner.

