![Compuload — On Board Weighing Systems logo]

COMPULOAD CL5000 OPERATING INSTRUCTIONS

Dynamic Weighing System for Loaders

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COMPULOAD - *Weigh Better - Load With Confidence*

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BASIC WEIGHING AND TOTALISING – (also see dot points page 8)

The Compuload CL5000 is designed to weigh the load in the bucket / forks of a Front End Loader. This system has been set up to weigh in a Dynamic Weighing Method (as the load is raised). The Compuload CL5000 has been calibrated using LIFT SPEED COMPENSATION. This means that the CL5000 will weigh the load accurately at any engine RPM (within the calibration settings). The CL5000 will weigh the load as the bucket is raised _**PAST**_ the LIFT SPEED COMPENSATION SWITCH.

Basic Weighing –

- Before weighing the CL5000 should be checked to ensure that the EMPTY BUCKET is reading ZERO.
- With the bucket empty and fully crowded, raise the bucket up through the LIFT SPEED COMPENSATION SWITCH at a smooth steady lifting speed. Keep lifting until the word HELD appears in the top left hand corner of the display. If the reading is other than 0.00 (zero), press ZERO (F4) for two seconds to zero display.
- Apply the load and raise the loaded bucket up through the LIFT SPEED COMPENSATION SWITCH at a smooth steady lifting speed. Keep lifting until the word HELD appears in the top left hand corner of the display. Then the weight will be displayed for a pre-determined period   (usually 10 seconds)
- Press the LOAD key (F5), or the REMOTE LOAD BUTTON (if fitted) to add the weight into the TOTAL and SUB TOTAL.

NOTE: - The CL5000 can also be set to automatically accumulate the weights as the load is raised. For AUTOMATIC TOTALISING press the TRIG button (F1), select HOLDS & ADDS using the UP / DOWN direction arrows. Press FUNC to save and return to the main page. AUTOMATIC TOTALISING has now been set. Repeat process to return to MANUAL TOTALISING, by choosing HOLDS ONLY in the menu.

- Once the required TOTAL has been reached, a short press of the CLR (F3) button will reset the SUB TOTAL only, and the TOTAL remains. A long press of the CLR (F3) button will reset both the SUB TOTAL and the TOTAL. This is used if loading trucks with more than one trailer.

NOTE:- If a bucket has been added into the TOTAL and you wish to subtract and reweigh that bucket , press the ESC button within the 10 seconds to UNDO.

TIPS FOR ACCURATE WEIGHING :-

Whilst the Compuload CL5000 is designed to weigh loads as the machine is operated and the load is lifted some conditions may cause variations to the weight readings. Results can generally be improved by using care whilst weighing.

I)   Lift the load at YOUR NORMAL speed through the lift sensor.   Start the Lift from near ground level. Maintain a smooth steady lift until a weight reading is obtained and HELD is displayed on the screen.

II)   Open lifting valve fully to raise the load (ie: - pull the lever right back)

III)   Whilst weighing have loader on a level surface

III)   Avoid excessive bounce on rough surfaces whilst weighing.

IV)   Regularly check the zero.

V)   Not all loaders can weigh loads whilst the loader is in gear and moving along the ground. Different conditions may cause irregular readings. Establish the weight in the bucket by doing 5-10 lifts with a bucket of material whilst stationary. Then attempt to weigh whilst in gear and moving. Then determine if the weights are within your accuracy requirements.

VI)   To reduce the level of TYRE BOUNCE, activate the lift lever before introducing engine RPM.

OPTIONS AVAILABLE

The following options are available to the operator if required and as required.

HOT KEYS -

Across the top of the keypad is the F1 – F5 Hot Keys. These keys allow quick and easy access to the main Operator Related Functions.

F1 – TRIG – This function allows the operator to change the action of the LIFT SPEED COMPENSATION SWITCH. Press the F1 key once, the display will show SET EXTERNAL TRIGGER. Use the UP / DOWN direction keys to alter – then press the FUNC key to save

DOES NOTHING – The LIFT SPEED COMPENSATION SWITCH is turned OFF. There will be NO action from the display when the arms are raised. The display will show IDLE in the top right hand corner when this function is set.

HOLDS ONLY – The loaded bucket will be weighed after it has been raised passed the LIFT SPEED COMPENSATION SWITCH, but will not accumulate into the TOTALS until the LOAD Button or the EXTERNAL LOAD BUTTON (if fitted) is pressed.

HOLDS & ADDS – The loaded bucket will be weighed will automatically accumulate into the TOTALS after the arms have been raised past the LIFT SPEED COMPENSATION SWITCH.

F2 – PRINT - This function allows the Printer (if fitted) to be turned ON / OFF / COPY. Press the F2 key once, the display will show SET PRINTER MODE. Use the UP/ DOWN direction keys to alter and then the FUNC key to save.

F3 – CLR – This function allows the SUB TOTAL and the TOTAL to be cleared. A short press will clear the SUB TOTAL and a long press (approx 2 seconds) will clear the TOTAL. Used for example, when loading a truck and trailer combination or road train.

F4 – ZERO – This button is used to ZERO the empty bucket before loading. Before weighing the CL5000 should be checked to ensure that the EMPTY BUCKET is reading ZERO. With the bucket empty and fully crowded, raise the bucket up through the LIFT SPEED COMPENSATION SWITCH at a smooth steady lifting speed. Keep lifting until the word HELD appears in the top right hand corner of the display. If the reading is other than 0.00 (zero), press ZERO (F4) for two seconds to zero display.

F5 – LOAD – This button is used to accumulate the bucket weights if the LIFT SPEED COMPENSATION SWITCH is set to HOLDS ONLY. When a loaded bucket has been weighed, press this button to accumulate the weight into the TOTALS.

FUNCTION LIST

Further FUNCTIONS are available by pressing the FUNC key once. CL5000 display will show –

CURRENT JOB - Press the FUNC key again once. This allows a TARE or TARGET WEIGHT to be set.

>	**TARE –** Not normally used on loaders. Ensure this is set to 0.00t for accurate weighing.
>	**TARGET WEIGHT** – Allows operator to set a target weight to cause an alarm to sound when target "Total" is reached. Set at **0.00t** to turn target weight "off". Use the UP / DOWN direction arrows to highlight TARGET WEIGHT, then press FUNC key once. Use the UP / DOWN arrows to set in the desired Target Weight, then press FUNC key once to set. Then press the ESC key one press at a time to exit the Function Table.

WEIGHING CONFIG- Press the DOWN direction arrow once to highlight the WEIGHING CONFIG menu. Press the FUNC key once to access. Same options as the F1 TRIG HOT KEY. Press the FUNC button once to access the menu. Use the UP/ DOWN direction arrows to alter the setting, then press FUNC to save. Press the ESC key one press at a time to exit the Function Table.

PRINTER / RS232- Press the DOWN direction arrow once to highlight the PRINTER / RS232 menu. PRINTER MODE is highlighted, press the FUNC key once. To alter the Printer setting to ON/ OFF/ COPY use the UP/DOWN direction arrows. Press the FUNC key once to save. Then press the ESC key one press at a time to exit the Function Table.

System Config – This function will show the operator the information on the system fitted to the machine. This function is mainly used when / if talking to the manufacturer to ascertain the software version / serial numbers etc. Not normally required in normal day to day operations. Press the ESC key one press at a time to exit the Function Table.

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WARRANTY COMPULOAD CL5000

THE COMPULOAD CL5000 HAS NO USER SERVICEABLE COMPONENTS INSIDE DO NOT ATTEMPT TO DISMANTLE THE UNIT AS THIS WILL CAUSE YOUR WARRANTY TO BECOME NULL AND VOID.

INSTANT WEIGHING Pty. Ltd. warrants the COMPULOAD Series CL5000 load weighing gauge and any optional equipment to be free of defects in workmanship and material for a period of twelve (12) months from date of dispatch or installation, (whichever is applicable)

This Warranty only applies provided the COMPULOAD CL5000 and accessories are used in accordance with the recommendations of INSTANT WEIGHING Pty. Ltd. under normal use and reasonable care.

The warranty does not cover damage in any way whatsoever including transit damage. The warranty does not cover malfunction or failure resulting from misuse, neglect or abuse.

The warranty immediately becomes void should any repairs, alterations or modifications are carried out or attempted to be carried out by other than INSTANT WEIGHING Pty. Ltd.

The warranty is not transferable and applies only to the original purchaser unless authorised by INSTANT WEIGHING Pty. Ltd.

The warranty does not include travel expenses should a factory engineer or representative be required to perform repairs on site.

At the option of INSTANT WEIGHING Pty. Ltd. any faulty units or components will be repaired or replaced free of charge whilst within the warranty period providing the unit or component is returned to our premises with freight pre-paid.

Our factory engineers will offer all possible assistance to rectify any difficulties experienced in the field. The larger majority of problems can be overcome by telephone. Please contact our office prior to forwarding any units or components for attention

NOTE: Our carrier does not accept responsibility for loss or damage in transit. Should transit or freight loss or damage insurance be required it must be indicated on your order and the cost of such insurance will be charged accordingly.

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When a truck arrives, this is the loading sequence, using the scale:-

- When elevating bucket to weigh, the operator must always:-
  1. Hold engine revs steady (same revs that you will use when loading truck)
  2. Pull lever that elevates the bucket right back into detent.

- Know total weight to be loaded onto each trailer

- Make sure hydraulic oil is at operating temperature

- A short press of the CLR (F3) button will reset the SUB TOTAL only, and the TOTAL remains. A long press of the CLR (F3) button will reset both the SUB TOTAL fully crowd empty bucket. This is used if loading trucks with more than one trailer.

- Weigh empty bucket & only after weight figures appear on screen, stop elevation of bucket & press "ZERO" (F4) button for 2 seconds (even if showing 0.000T)

- Commence loading trailer (scale will work automatically).

- Getting correct weight for last bucket load whilst at the stockpile:-
  1. Work into the bucket what you think is correct weight
  2. Crowd bucket, then weight bucket watching the TOTAL weight only, remember this weight, press "ESC" to UNDO this weight. Adjust bucket load if required. Repeat 2 until correct weight is in bucket **and you have pressed "ESC" after the last weighing at stockpile.** Lower bucket and drive to truck.
  3. Elevate bucket to load truck. (note: by using "ESC" in (2) the bucket has not been double weighed as you load truck with the last bucket).

- REZERO to load other trailer(s) or park loader. A long press of the CLR (F3) button will reset both the SUB TOTAL and the TOTAL.