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Ws 805-101 Rev 1.0 Operation  
Manufactured to CE marked standards

## **1 OVERVIEW**

### **1.1 WEIGHING INTRODUCTION:**

The Ws 805 digital indicator is state of the art in weighing technology. The unit features a High - speed microprocessor to deliver an unambiguous weight reading. The Ws 805 has been designed specifically to give reliable and stable readings. The Digi - Lock feature gives a more accurate weight reading and is operator friendly. This allows the operator not to see any unwanted weight readings as the display is only activated when the Weigh button is pressed. The display locks and holds the weight reading for 6-8 seconds and the display then goes into sleep mode.

Features include:

- All electronic workings
- Splash proof construction
- LED display
- Digi - lock holds and locks correct weight readings
- Zero/Tare maintenance keys trims small deviations at zero and allows a Tare function
- Add key (Totalizing)

## 2 SYSTEM OPERATION

### 2.1 DESCRIPTION OF KEYS USED FOR OPERATION

The following keys are used to enter and select data:



The **ON/OFF** Key is used to switch the display on/off it is also used as a return key to Exit the totalizing function and return the display to sleep mode in normal operation.

The **ZERO/ TARE** Key is used to zero out minor deviations with no load applied to the system or is used to tare out a container or pallet and used in the setup and calibration of the system.

The **TOTAL** Key allows you to view the current accumulation of weight totals.

The **ADD** Key is used enter the setup and calibration data in to the scale memory.

The **WEIGH** Key is used mainly as the **Enter** key when the system is in set up mode in normal weighing operation the **Weigh** key activates the weighing cycle.

### DESCRIPTION OF INDICATION LAMPS

#### DC

**Power indication** this lamp indicates there is power to the display unit.

#### NET

**Tare indication** this lamp indicates there is a Tare weight entered in the system.

#### ZERO

**Zero indication** This light indicates the system is on Zero "0" (no load on the forks)

#### Lb

**Lb indication** This light indicates the system is in Pound measurement mode.

#### Kg

**Kg indication** This light indicates the system is in Kilogram measurement mode.

#### STAB

**Stability indication** this lamp indicates the weighing indicator is stable and ready to weigh accurately.

## **2.2 GENERAL**

The Ws 805 weighing system works on the principle that the lift truck hoisting hydraulic pressure is directly proportional to the applied load on the forks.

This hydraulic pressure is converted to an electronic signal that is shown on the display directly as load from the forks.

**It is important that all weighing be carried out in a repeatable fashion. There are stickers on the mast and carriage to assist the operator in weighing at the same location each time a weigh cycle is used.**

## **2.3 OPERATION OF THE SYSTEM**

There are two (2) phases for correct operation of the Ws 805 weighing system

- ZERO phases.

A weighing operation designed to check and reset any minor variations with no load on the forks.

- WEIGHING phase.

An operation designed to acquire the weight of the load and lock it on the Ws 805 display.

Typical operation of the system is as follows-

1. Press the On\Off button to power up the display (preferably with the motor of the vehicle running)

The display will be flashing "0" press the On/Off Button this will activate the indicator ready to weigh.

1. Perform zero cycle (no load on the forks)
2. Weigh loads as required following correct procedure (2.3) "weighing cycle"
3. Periodically re-check system zero ("0")

## 2.4 LIFT TRUCK STANDARD WEIGHING CYCLE:

The following procedure should be adopted for each weighing cycle performed.

1. Raise the fork truck carriage until the →sticker located on the carriage aligns with the “1” on the sticker.
2. Now lower the carriage so that the → roughly lines up with the “2” on the mast.

At this point press the **Weigh** key on the display. The weight will be displayed for 6-8 seconds the display will then go into sleep mode.

### REMEMBER!!!

- Raise to “1”
- Lower to “2”
- Press **Weigh** key
- The display will then locks and hold the displayed weight for 6-8 seconds
- The display will then go into sleep mode until the **Weigh** key is activated

## 2.5 ZERO CYCLE

The zero or "no load" reading of the display should be checked periodically, If the display does not read zero with no load on the forks, then a zero weigh cycle must be performed.

**NB: the forks should not be on the ground, as this will cause a weighing error.**

TO CHECK ZERO.

Simply perform a standard weigh cycle without any load on the forks of the lift truck.

### HOW TO ZERO THE Ws 805 WEIGHING SYSTEM

- Raise to “1”
- Lower to “2”
- Press the **Weigh** key
- The display will now show “ 0 “ ( if not on “ 0 “ with no load )
- Press the **Zero** key this will zero out minor deviations

**N.B. Zero should be checked periodically to maintain system accuracy**

## 2.6 TARE CYCLE

This feature is designed to enable the operator to tare out a pallet or container. This will then give a net weight of articles loaded on the pallet or in the container.

### HOW TO TARE A PALLET OR CONTAINER ON THE Ws 805 WEIGHING SYSTEM

Place a pallet or container on the forks of the lift truck and perform a standard weigh cycle with the article to be tarred.

- Raise to “1”
- Lower to “2”
- Press the **Weigh** key
- The display will now show the weight of the pallet or container to be tarred (eg: 300)
- Press and Hold the **Zero** key
- The display will now show “0 “ (the net lamp will be displayed)
- The Tare cycle is complete

### HOW TO RELEASE THE TARE

**Remove** the pallet or container from the forks of the lift truck and perform a standard weighing cycle.

- Raise to “1”
- Lower to “2”
- Press the **Weigh** key
- The display will now show the negative weight of the removed pallet or container (eg: -300)
- Press the **Zero** key
- The display will now show “0”
- The Tare release cycle is complete

## 2.7 TOTALIZING FUNCTION:

The **Total** is the addition of successive loads stored as a total. This running total will continue to accumulate the individual weights when the **Add** key is pressed. The Ws 805 will show the number of weighs and accumulated weights.

### HOW TO ADD THE INDIVIDUAL WEIGHTS TO THE TOTAL

#### REMEMBER!!!

- Raise to "1"
- Lower to "2"
- Press the **Weigh** key
- The weight will be displayed for 6-8 seconds
- To **Add** a shown weight to the total, press the **Add** key while the weight is displayed
- The display will now show eg: Add 01 the weight has now been added to a progressive total

The display will then go into sleep mode

### HOW TO SEE THE TOTAL

Press the **Total** key, the current total will be displayed in the following format

Eg: (450) flashing intermittently

### HOW TO RETURN TO NORMAL WEIGHING MODE

Press the On/Off key to return to normal operation (this will NOT clear the current total.)

### HOW TO CLEAR THE TOTAL

Press the **Total** key the current Total will be displayed flashing

Press the **Zero** key. The display will now show "0" flashing press the On/Off key the Indicator will go into sleep mode and the current Total has been cleared.

**N.B. This function can be performed without doing a standard weighing cycle.**