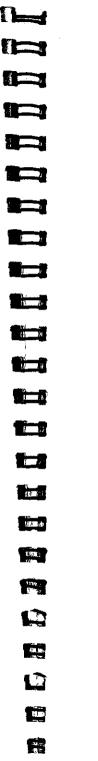
CONTENTS

	1. GENE	RAL	
	1.1	Weighing Introduction	************
	1.2	Installation summary	
		EM OPERATION	************
	2.1	General	•
	2.2	Operation of the system	
	2.3	Weighing cycle-Forktruck	
	2.4	Weighing cycle-Bobcats	
	2.5	Weighing cycle-Automatic (optional)	
_	2.6	Zero cycle	
	2.7	Tare function	
	2.8	Totaliser feature	
	3. INST	ALLATION	
	3.1	Liftruck condition	*********
	3.2	Installation kit	
	3.3	Monitor installation	
	3.4	Transducer installation	
	3.5	Electrical installation	
	3.6	Fitting instruction stickers-Forklifts	
	3.7	Fitting instruction stickers-Bobcats	
-	3.8	Fitting instruction Remote add switch (optional)	
	3.9	Description of key functions and indicator lamps	
	4. SETU	JP FUNCTIONS AND CALIBRATION	17
	4.1	Configuration Function setups	***************************************
	4.2	Calibration procedure	
	4.3	Available Functions	
	4.4	Maintenance of calibration	
	4.5	Function checklist	
F			
1 mg (1 mg		. 2	

والمنافثة والمتلق والمنازي والمناول والمراجع والمتازين والمناور والمنافث والمنافذ وا

1.1 GENERAL 1.1 INTRODUCTION: The WDU 2001 digital indicator is STATE OF THE ART in weighing technology. The unit features a HIGH-SPEED microprocessor to deliver an unambiguous weight reading. The WDU 2001 has been designed specifically to give reliable and stable readings, the digi-lock feature 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 8 seconds and then the display goes blank. Features include: · All electronic workings · Stainless Steel enclosure Hoseproof construction Large LED display · Digi-lock holds and locks correct weight readings · Zero maintenance key trims small deviations at zero Tare kev Print key · Totaling key 1.2 INSTALLATION SUMMARY Refer to: 1.1.1 Unpack WDU 2001 & check kit 3.2 1.1.2 Install transducer 3.3 1.1.3 Install monitor 3.4 1.1.4 Electrical installation 3.5 CALIBRATION: 1.1.5 Configure function settings 4.1 1.1.6 Calibration overview 4.2 1.1.7 Zero the system 4.3A 1.1.8 Span the system 4.3B 1.1.9 Check operation and repeatability 2.0 OPERATE: 1.2.0 Operational details 2.2 3



WDU SYSTEM OPERATION

2.1 General: The WDU weighing system works on the principle that the liftruck hoisting hydraulic pressure is directly proportional to the applied load on the forks.

This hydraulic pressure is converted to an electronic signal by the transducer, and after the set-up and calibration procedures, is displayed on the WDU monitor directly as load from the forks or bucket.

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.

2.2 OPERATION OF THE SYSTEM:

There are two (2) phases for correct operation of the WDU weighing system These are-

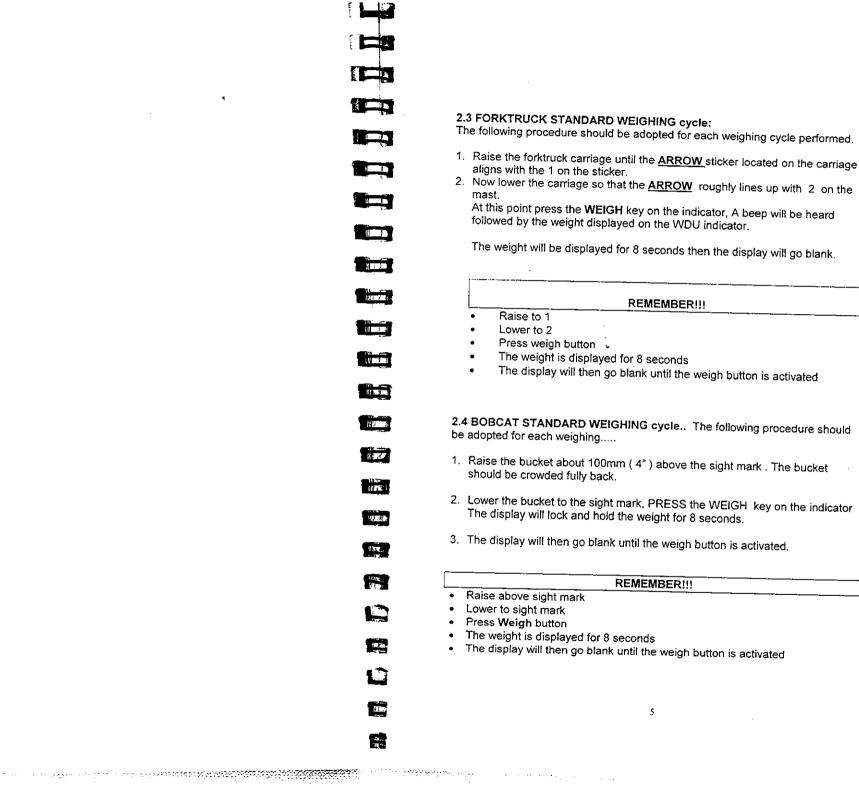
- ZERO cycle. A weighing operation designed to check and reset any minor variations with no load on the tynes or bucket.
- WEIGHING cycle. An operation designed to aquire the weight of the load and lock it on the WDU display.

A description of each cycle is detailed in section 2.3 " weighing " and section 2.4 "zeroing".

Typical operation of the system is as follows:

- 1. Turn power switch on to power up the display (preferably with the motor running)
- 2. Perform zero cycle (no load on tynes or bucket)
- 3. Weigh loads as required following correct procedure (2.3) "weighing"
- 4. Periodically re-check system zero (0)

This instruction should appear on a sticker affixed to the vehicle as a guide to the operator.



2.5 AUTOMATIC WEIGHING cycle. When a remote weigh switch is installed on your system you may weigh automatically. An automatic weigh cycle is completed as the Tynes or (Bucket) is raised passed a trigger point the display will show the weight for a period of 8 seconds and then go blank until the weigh button is activated. REMEMBER!!! Maintain constant engine revs Raise load smoothly past trigger point On Bobcats crowd bucket fully back 2.6 ZERO cycle: The zero or " no load " reading of the monitor should be 6 checked periodically, especially if the power to the monitor has been interrupted . If the monitor does not read zero with no load on the tynes or bucket, then a zero weigh cycle must be performed. NB The forks or bucket should not be on the ground, as this will cause errors. TO CHECK ZERO..... Simply perform a standard weigh cycle without any load on the forklift tynes or in the bucket. **店** 李 HOW TO ZERO THE WDU WEIGHING SYSTEM REMEMBER!!! Raise to 1 था प Lower to 2 · Press the Weigh button . The display will now show zero weight if not on zero with no load · Press the zero key this will zero out minor deviations at zero N.B. ZERO SHOULD BE CHECKED PERIODICALLY TO MAINTAIN SYSTEM **ACCURACY**

2.7 TARE cycle: This feature is designed to enable the operator to tare out a pallet or container weight to give a nett weight of articles loaded on the pallet or in the container, HOW TO TARE: A PALLET OR CONTAINER ON THE WDU WEIGHING SYSTEM Place a pallet or container on the forks perform a standard weigh cycle with the article to be tared. REMEMBER!!! Raise to 1 • Lower to 2 Press the weigh button - The display will now show the weight of the article to be Tared Press the Tare button The display will now go blank The Tare cycle is complete TO RELEASE TARE: Remove the pallet or container from the forks perform a standard weighing cycle. REMEMBER!!! Raise to 1 Lower to 2 Press the weigh button The display will show a negative weight Press the zero button to cancel the Tared weight The display will then go blank The Tared weight has now been cleared

2.8 TOTALISER FUNCTION:

The WDU system is fitted with an intelligent totalising system. The system will not allow the same weight to be added twice. The system does this by looking to see if the forks or bucket are unloaded before allowing further adds.

USING THE TOTALISING FUNCTION.

The TOTAL is the addition of successive loads stored as a total. This total will continue to accumulate when the ADD button is pressed.

REMEMBER!!!

Raise to 1

21.12

- Lower to 2
- · Press the weigh button
- . The weight will be displayed for 8 seconds
- . To ADD weight to Total piess the ADD key
- · The display will now go blank
- · The weight has now been added to a progressive total

IF YOU DO NOT WANT THE WEIGHT ADDED TO THE TOTAL DO NOT PRESS THE ADD BUTTON

TO SEE TOTAL:

Press the Total button, the current Total will be displayed flashing

RETURN TO WEIGHING MODE:

Press the Total button to return to normal operation (this will not clear the current Total.)

TO CLEAR TOTAL:

Press the Total button, the current Total will be displayed flashing Press the Zero button. The display will now go blank and the current Total cleared.

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

3.1 LIFTRUCK (BOBCAT) CONDITION:

To achieve an accuracy of approximately + or – 1% of the capacity of the vehicle, the machine should be in the best possible mechanical hydraulic condition.

Whilst most liftrucks or bobcats are not in prime condition can give satisfactory results the following may be checked before commencing the installation.

- The lift ram(s) has no leaks. A creep of 25mm of the mast with a load of at 25% of the forktrucks lift capacity over 1 hour period constitutes a leaky mast or control valve and fitting the WDU system could result in erratic weight readings.
- The mast slides and channels are not bent or tight, or otherwised damaged
- · The mast rollers or bearings are not missing or damaged

NOTE: Due to the potential safety hazards to personnel, it is strongly recommended that only qualified mechanics work on the machine.

3.2 INSTALLATION KIT:

To facilitate installation a kit containing all necessary hardware has been included. The contents of this kit is marked on the side of the monitor packing carton. Typically this includes the following components.

- WDU Monitor
- · Transducer assembly
- Monitor mounting bracket
- Operation stickers (3)
- Hydraulic hose and fittings
- Power cable includes inline fuse

INSTALLATION OF CONTROL UNIT

(1) CAUTION!

The WDU control unit has been designed to operate under adverse conditions of dust, water and temperature.

However, locating the control unit directly in sunlight, particularly behind the window in a cab, may cause the unit to be subject to extremely high temperatures which may damage the electronic system.

Accordingly it is recommended that the unit be mounted in a sunshaded location or if this is not possible, a sun shade be erected over the unit to block direct sunlight.

- (2) When the control unit has been mounted and orientated for convenient operation and display viewing, check that the cables and connectors are not under any mechanical stress and the cables are neatly secured away from accidental mechanical abuse.
- (3) The control unit is suspended within a U bracket frame. Ensure that the actual WDU case is not touching any part of the machine such that its movement within the bracket is restricted.

INSTALLATION OF PRESSURE TRANSDUCER

GENERAL

- (1) CAUTION The electronic pressure transducer provided is an industrial grad device designed to be installed in an arduous environment. However, it must be remembered that it is still essentially a delicate electronic sensor, and accordingly to ensure maximum life, reliability and accuracy, it must be treated with due care.
 - (a) DO NOT Apply a spanner or similar tool to any part of the transducer except the 'flats' provided expressly for the purpose of tightening the hydraulic coupling.
 - (b) DO NOT Mount the transducer in any location where it is liable to be stood on or be subject to physical abuse of any kind.
 - (c) DO NOT Mount the transducer where it will be repeatably immersed or sprayed with water or oil.
 - (d) (d) **DO NOT** Mount the transducer where the cable entry and cable will be subject to physical abuse, liable to be stressed or subject to excessive movement.
- (2) It is important that the pressure transducer be tapped into the hydraulic line which supplies oil to the lift cylinder.
- (3) Tapping any other line will result in the incorrect operation of the WDU system. The line should be tapped between the control valve and the lift cylinder. The tap can be carried out satisfactorily in a number of ways but probably the simplest is to use the '1/8 BSPT fitting' suppied with the kit.



(3)

(a) Lower the forks to the ground and stop the engine.

(b) Remove the cap from the hydraulic oil reservoir to release the pressure.

(c) Operate the 'lift' levers to ensure all pressure is relieved from the system.

(d) Remove the hydraulic hose where it (or some other (convenient joint) is mounted to the lift cylinder. Drill and tap side down, between end of hose fitting with '1/8 BSPT Adaptor supplied.

(e) Refit hose and connect '7/16 JIC hose to new fitting and feed line to transducer.

NOTE - CARE SHOULD BE TAKEN ON PIVOT STEER MACHINES TO TO SEE THAT CABLES AND HYDRAULIC LINES DO NOT FOUL ON ANY PART OF MACHINES WHEN TURNED FROM LOCK TO LOCK.

and the same of the same of

ELECTRICAL INSTALLATION

- (1) The WDU system is designed to operate on 12v D.C. (optional 24v) automotive battery systems, postive or negative earth.
- (2) The control unit may be wired into the main electrical loom if ther is a provision for additional connections or wired via the ignition key circuit.
- (3) However, it is advisable in many cases to connect the WDU unit directly to the battery system (including 1 AMP in-line fuse) to possibility of electrical interference from other apparatus connected to the electrical system.
- (4) The WDU unit comes equipped with pre-terminated cables as shown in the diagram opposite. The battery connection end is supplied with free leads.

COLOUR CODE: RED Battery + (Positive)
BLACK Battery - (Negative)

For negative earth vehicles it is preferable to bond the -ve (BLACK) lead securely and directly to the machine chassis. Vice Versa for +ve earth vehicles.

(5) An in-line fuse holder and 1 AMP fuse is supplied with the Kit and <u>MUST</u> be fitted in series with the non-earthed cable lead to the WDU unit

CAUTION - WELDING!

1 4

18 4

8

TO AVOID DAMAGE TO THE SENSITIVE ELECTRONIC COMPONENTS IN THE SYSTEM, THE POWER SUPPLY CONNECTOR SHOULD BE UNPLUGGED FROM THE WDU UNIT WHILST ANY ELECTRIC WELDING IS BEING CARRIED OUT!

CABLE LOOMS AND CONNECTORS

(1) The power/aux functions are connected to the WDU unit via a multicore cable which is split into separate 2-way connectors as follows:

CABLE COLOURS

(a) Power Supply: 12 volts D.C.

RED/BLACK

(b) Transducer

Excitation + Excitation -

Signal +

Signal - . Shield RED BLACK GREEN

GREEN WHITE BARE

Temination of Conectors

Remove rear cover on monitor unit.

Connect cables to required marked positions and refit rear cover.

INSTALLATION OF CONTROL UNIT

(1) CAUTION!

The WDU control unit has been designed to operate under adverse conditions of dust, water and temperature.

However, locating the control unit directly in sunlight, particularly behind the window in a cab, may cause the unit to be subject to extremely high temperatures which may damage the electronic system.

Accordingly it is recommended that the unit be mounted in a sun-shaded location or if this is not possible, a sun shade be erected over the unit to block direct sunlight.

- (2) When the control unit has been mounted and orientated for convenient operation and display viewing, check that the cables and connectors are not under any mechanical stress and the cables are neatly secured away from accidental mechanical abuse.
- (3) The control unit is suspended within a U bracket frame. Ensure that the actual WDU case is not touching any part of the machine such that its movement within the bracket is restricted.

3.7 FITTING INSTRUCTION STICKERS: The kit includes three (3) to assist the operator in normal operation. It is important that all the calibration and weighing be carried out in a repeatable fashion. The stickers assist the operator to weigh in the same position each lift. A. Forktrucks Operator instruction sticker: Mount this on the dash of the Forktruck

Arrow Sticker: This acts as a pointer for the operator and is located on the MOVING CARRIAGE, often on the load guard.

• Position Sticker (marked 1 2): This sticker is affixed to the STATIONARY MAST ina position such that when the tynes or bucket of the liftruck or bobcat are in the desired weighing position, the two(2) on the sticker is aligned with the ARROW previously fixed to the carriage Generally the tynes or bucket are about 300mm to 400mm off the ground for pallet weighing work.

B. Bobcats

IE)-

ilir.

1.7/E .

Operator Instruction Sticker: Mount this on the dash of the bobcat

Pointers: The pointers are welded on the body (stationery) and the arm (moving) sections of the bobcat so that they align when in the weighing position is chosen for convenience and is often when the arms are in a level

C. FORKTRUCKS AND BOBCATS (autoweigh)

Operator Instruction Sticker: Mount these on the dash of the vehicle.

· Limit Switch: Mount the limit switch using the bracket provided on the body of the vehicle . The magnet should be attached to the moving section so that it passes the switch in a vertical action and triggers the weight at the required weighing position. The limit switch cable should be run directly to the monitor ensuring it is mechanically protected.

3.8 REMOTE ADD: The remote add button option may be installed on the operator lift lever or on the console of the vehicle. The flex should be secured to the shaft of the lift lever using cable ties. Connect to the monitor through the rear case and terminate in connectors marked remote add.

N.B. The operation of this remote button is identical to the button on the monitor.

DESCRIPTION OF KEYS USED FOR SETUPS AND CALIBRATION The following keys are used to enter and select data: The WEIGH KEY is used mainly as the enter key (this accepts the data to be entered) The ADD KEY is used to scroll down (this allows you to go down to the number selected and also allows you to scroll down the function menu) The TOTAL KEY is used to scroll up (this allows you to go up with the number selected and also allows you to scroll up the function menu) The TARE KEY is used to move the required data accross to the required position The ZERO KEY is used to also move the required data across to the required position DESCRIPTION OF INDICATOR LAMPS: This lamp indicates the system is on Zero- no load on the forks Zero Lamp Tare Lamp This lamp indicates that a tare is in use in the system-refer 2.7 Stable Lamp This lamp indicates that the weight reading has no motion and Is in a stable condition. Power Lamp This lamp indicates there is power to the monitor unit Gross Lamp This lamp indicates there is no tare weight in the system This lamp indicates there is a tare weight in the system Nett Lamp CONFIGURATION (Setting up Functions) To enter setup and calibration mode, proceed as follows: Whilst turning the power ON on the monitor, at the same time Press and Hold 1. the WEIGH KEY. The display will show a figure (This is the current capacity displayed) 3. The display will now show SET REMEMBER!! DEPRESS AND HOLD THE WEIGH KEY WHILE POWERING UP THE MONITOR Hold down the WEIGH KEY until SET is displayed

a na mpandidistra na adikin'a misanda ankandi anda anda a sa basa na ina basa na manga na manga na manga na ma

4.1 CONFIGURATION OF THE FUNCTIONS:

 The display now shows FOO. Now press the WEIGH KEY to calibrate the system and configure the capacity and divisions.

With the monitor display on FOO press the **WEIGH** key. The display will show **00000"s** The last digit should be **flashing**. At this point you will enter the required security code. This is done by using the following keys:

· Zero to move across to required position

· Total to select value

Tare to move back

These keys are used to enter the security code.

810

SECURITY CODE

Press the WEIGH key to enter security code number. The display will now show:Dp

Dp

decimal point selectable-. 0, 050, 0.00, 0.000 Press the WEIGH key to access the function. The display will show (0) Enter the required value using the TOTAL key to select the value. Then press the WEIGH key to enter setting.

The display will now show CAP.

CAP-

This is the capacity of the weighing range required eg- 3000 Press the WEIGH key to access function. The display will show all 00000"s With the last 0 flashing use the ZERO key to move across and the TOTAL key to scroll up enter the required value. Then press the WEIGH key to enter setting.

The display will now show DI

nı.

the division size selectable: 1,2,5,10,20,50 eq-1
The display will show (1) Use the TOTAL key to increase to the required value. Then press the WEIGH key to enter setting.

The display will now show END

To exit this function press the PRINT key.

4.1 CONFIGURATION OF THE FUNCTIONS (Setting up functions)

To enter function mode, proceed as follows:

- Whilst turning the Power ON on the monitor, Press and Hold the WEIGH key
- 2. The display will show a figure (This is the current capacity displayed)
 - The display will now show SET
- Then press the WEIGH KEY to set up required functions.

With the monitor display on FOO press the WEIGH key The display will show 00000"s With the last digit flashing at this point you will enter the required security code this is done by using the following keys:

- Zero to move across to required position
- Total to select value
- Tare to move back

ENTER THE PASSCODE REQUIRED AND THEN PRESS THE WEIGH KEY

Press the PRINT KEY to exit the function setup.

N.E

These keys are used to enter the required security code for each function.

The system is factory set and the functions listed may be changed if required. This is generally not needed.

The listed passcodes are to access the following options:

Functi	on:	Passcode:	
F01	Primary base unit of measurement (lb or kg)	110	
F03	Automatic zero tracking	310	
FO4	Digital filtering	410	
F09	Digi-lock, (display hold time)	910	

4.1 FUNCTION DEFINITIONS:

F01 (Select primary base unit 0= kg, 1 = lb)
 Press the WEIGH key the display will now show 1 Use the TOTAL KEY to change to the required value and press the WEIGH KEY.

To exit the function setup Press the PRINT KEY.

F03 (Automatic zero tracking I division to 5 divisions)
 Press the WEIGH key The display will now show 1 Use the TOTAL KEY to change the figure Then press the WEIGH KEY to enter the new value.

To exit the function setup press the PRINT KEY.

F04 (digital filtering 1 to 9= maximum filter)
 Adjust according to conditions Press the WEIGH key The display will show 5 Set this figure to suit the working environment using the TOTAL KEY Then press the WEIGH KEY to enter the new value.

To exit the function setup press the PRINT KEY.

F09 (Digi-lock, locks and holds the displayed weight for a selected time)

Press the WEIGH key The display will show 6 To set this value to the required time, hold from 1 to 9 seconds. Then press the WEIGH KEY to enter the new value.

To exit the function setup press the PRINT KEY.

N.B If more than one function has to be changed this can be done during the function setup.

Other functions can be accessed by:

Pressing the WEIGH KEY.

With the monitor display on FOO press the WEIGH key the display will show 00000"s with the Last digit flashing at this point you will enter the required security code this is done by using the following keys.

Zero

to move across to required position

Total

to select value

Tare to move back

ENTER THE PASSCODE REQUIRED AND THEN PRESS THE WEIGH KEY

4.2 CALIBRATION PROCEDURE:

With the monitor display on FOO press the WEIGH key The display will show 00000"s with the last digit flashing.

At this point you will enter a security code This is done by using the following keys:

Zero

to move across to required position

Total

to select value

Tare to move back

These keys are used to enter the security code.

220

SECURITY CODE

Enter the 3 digit passcode then press the WEIGH key.

AT THIS POINT A STANDARD WEIGH CYCLE MUST BE PERFORMED

Perform a standard weigh cycle:

REMEMBER!!!

Raise to 1
Lower to 2

Press the WEIGH key.

The display will now show CAL.

Press the WEIGH key the display will now show ZERO.

ZERO-used to zero out the offset of the transducer

The display will now show a number (this is the AD counts on the transducer eg- 2145) Press the WEIGH key to accept the ZERO calibration.

FOO	Pas	ssword for calibration 123
Select the Primary base unit		
FO1	0 1	Primary unit is kg Primary unit is lb
Serial Port Usage		and the second s
FO2	0	Connection with computant sub-display
Automatic Zero	•	Not used (kept for serial p
Tracking		
FO3	0 ; 1 1:1 Digit	No Automatic Zero Tracking Automatic Zero Trackin Zero out when there are
	5 5:5 Digit	small deviations at Zero Automatic Zero Trackin Zero out when there are small deviations at Zero
Digital Filter		
FO4	1 1:Minimum Filtering	Adjust the set value
•	9 9:Maximum Filtering	according to the condition Adjust the set value according to the condition
Operation Mode		
FO5	1	Special Mode for WDU
KEYBOARD FU	NCTION cont'd	
Keyboard Layout Se	lect	
FO6	1	Keyboard Layout for Totalising

Weigh Back-up	Mode Select	
FO7	0	Weigh Back-up is OF
	1	(Power on Zero) Weigh Back-up is on
		Trong in Back ap is on
ENTER" Key use	e d 0	Not used
	1	Not used
	2 3	Not used
		"WEIGH" for WDU Sp
Lock & Hold (Dis		
F09	1 Minimum Lock & Hold 9 Maximum Lock & Hold	Lock's and Holds the Diplayed Weight for a
	, maximum cock of Hold	selected time
Device ID	٤.	
F10	. 00 00: DEVICE "00	" ID of Indicator for Prin
		Application
	1 99: DEVICE "99)"
Baud Rate		
F11		1200bps
		2400bps 4800bps
		9600bps
Output Mode		
F12	0	No data output
	1	Stream Mode
	2	Transmit only is state
	3	condition Press Print Key
		1 1033 I HIIL INGY
Select HOLD ty		
F13	0	Average Hold
	1 2	Peak Hold
	24.	Sampling Hold

4.3 MAINTENANCE OF CALIBRATION

Periodical Calibration checks are recommended, to do this perform a zero weigh cycle (sect 2.4) and a weigh cycle (sect 2.3) with a known weight. If the WDU system requires calibration follow the calibration procedure in section 4.3 (calibration procedure) generally the function setups do not require changing when only the calibration is required.

4.5 FUNCTION CHECKLIST

After completing the setup and calibration, we recommend you record the functions and calibration data you have selected.

Parameter	Typicacal Value	Your Value
Capacity	2500	
Dp	0	
Di	10	
F01	0	
F02	0	
F03	1	
F04	5	
F05	1	
F06	1	
F07	1	
F08	3	
F09	7-8 seconds	
F10	00	
F11	2400	
F12	3	
<u> F13</u>	0	

Specifications Specifications	
	board weighing systems are designed to give high accuracy at a bud ssor based weighing system to be connected to the hydraulic lifting I machines
The load can be placed on	he forks and can be good to be a
converted to an electronic	load. This pressure is measured by an electronic transducer, the output and and displayed in a weight format on the WDU Indicator.
Stainless Case (IP65 rated) Easy to read/user friendly	. Clear and stable LED or LCD display
External on/off switch	Full digital calibration and function setting
Selectable capacity and o	vision sizes Automatic zero tracking
Standard Rs 232 output	Selectable digital tilter
Kg or lb unit is selectable	Zero, Tare and print function keys
5000psi Transducer	Totalling function 12 Volt dc operation
Options	
Stainless steel weather ho	٤
24 volt do to 12 volt do in	ertor
In line voltage suppressor	N. C.
Remote add button asser	γ. για
Specifications	
Construction Material Enc	St Ife' Dieples Dette
304 Stainless Steel	Sopicy Organi,
H44 operating range:	5 digit 25mm segmented red LED or 5 digit 23.5mm liquid crystal
-10 c to 50 c	Power \ Voltage
Communication:	12 volts do exceeds automotive power supply to
Rs 232 (Tx1, Tx2, Rx, Busy)	sient suppression specifications
for optional printer	Dimensions Enclosure:
	WDU 2001 (20L x 5W X 13H cm)
	excludes mounting bracket dimensions
	 Construction 17 - 4 Stainless Steel
	 Operating temp range -10°c to 60°c Cable length 2 metres
The WDU 2001 System conto	is the following components
with inline fuse protection 1.5	b bracket, 5000psi transducer including p clamp assembly Power cable
Hydraulic fittings including 9/	Uno to 7/16iic and 1/8 hen to 7/14 iin suite
operating stickers and fitting	Mount authorised Weigh Down Under distributor is:
Welght:	
WDU 2001 system (5kg) shipp	ng weight
warraniy:	
12 Months limited warranty o	components
	Supplications and features subject to change wheel design
	26.

.

4.2 CALIBRATION PROCEDURE contd:

The display will then flash all 00000"s (you now enter the test weight value eg- 500)
Use the ZERO key to move across and the TOTAL key to increase to the required value.

You will then perform a standard weigh cycle with the <u>known test weight</u> loaded on the tynes or in the bucket.

REMEMBER!!!

- Raise to 1
 - Lower to 2

Then press the WEIGH key to accept the value The display will now show LOAD followed by a number (this is the AD counts on the transducer with a load applied eg- 4350)

Press the WEIGH key to accept the weight calibration.

The test weight value will be displayed for 6 seconds.

The display will then go blank This signifies the calibration is now completed and the system is ready to weigh.

- N.B On some machines there may be a necessary to raise only to 1 and NOT lower to 2
- This is primarily due to the hydraulics of the machine
- If inaccurate weights are being shown, recalibrate the system the bucket to 1. Do Not lower to

SYSTEM ZERO:.(The system can be zeroed if the forks or bucket have been changed)

The weighing system can be zeroed out by using a passcode this will only zero the forks or bucket and will not affect the calibration of the system.

Repeat the calibration procedure enter Passcode: 210

The display will show Zero perform a standard lift cycle (with no load on forks or bucket)

REMEMBER!!!

Raise to 1

Lower to 2

Press the WEIGH key to accept the new Zero setting The display will then show the new Zero. The Zero value will be displayed for 6 seconds.

The display will then go blank. This signifies the calibration is now completed and that the system is ready to weigh.