ANYLOAD OCSD Series Wireless Dynamometer User Manual

ANYLOAD®

OCSD Series Wireless Dynamometer
User Manual

Contents

Introduction and Product Features

Thank you for choosing Anyload OCSD Wireless Dynamometer with P180/P380/P580 Wireless Display. The OCSD Wireless Dynamometer is a well-built weighing instrument used for different weighing applications equipped with microprocessor for the precision and accuracy. Parameter settings and calibration are easy to configure through its wireless indicator.
Key Features include:

- Rugged construction, aluminum and alloy steel capacities are powder coated.
- Accuracy: 0.05% for 1-50t, 0.1% for above 50t capacity.
- Dual direction wireless communication
- All functions and units are clearly displayed on the LCD (with backlighting)
- Digits are 1 inch high for distant viewing.
- Two user-programmable Set-Point that can be used for safety and warning applications.
- The dynamometer is powered by 3 standard AA size alkaline batteries.
- All commonly used and internationally recognized units are available: Kilograms (kg), Tons (t), Pounds (lb), Newton (N) and kilo-Newton (kN).
- Operation through its wireless handheld indicator, easier to calibrate and configure
- 4 local mechanical keys: ”ON/OFF”,”ZERO”,”PEAK” and ”Unit Change”.
- Low battery warning.
- RF wireless handheld indicator is powered by 4 standard AA size alkaline batteries

This manual provides installation, operation and configuration information of OCSD wireless dynamometer with its wireless indicator. It is recommended to go through the manual in details before installing, operating or configuring the scale.

Safe Operation Guides

1. Do not make lift beyond the rated load capacity of the dynamometer and its shackle(s).
2. Do not perform overhead weighing. Stay away when Dynamometer is in operation.
3. Do not perform weighing under strong wind, it may cause inaccurate readings.
4. Do not perform weighing in an environment with rapid temperature change, it may cause incorrect readings.
5. Do not attempt to open the dynamometer, there are no serviceable parts inside.

6. Do not remove wire rope stopper from hook. For safety reasons, always apply.
7. Remove all loads from shackle or hook when not in use.
8. Before weighing, check that all hanging, load- receiving elements and devices are in good condition.
9. Check hook, shackle, safety pins, and latches periodically. Contact your dealer for replacement parts in case of defect, deformities or worn out.
10. Always lift loads vertically.

Technical Data and Specifications

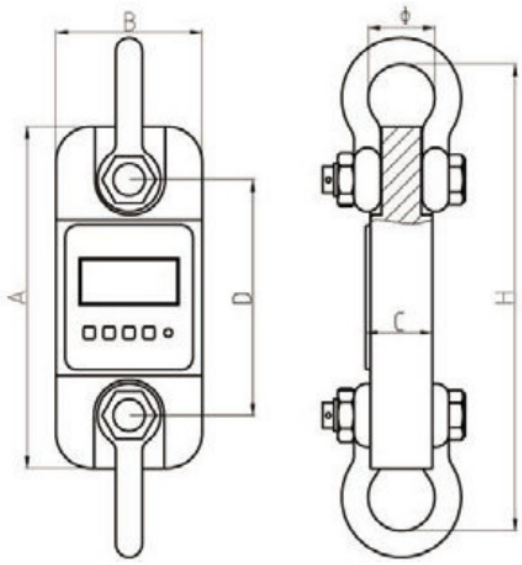
3.1 Main Technical Data

Display	25mm (1’’) 5 digits LCD with backlight
Power on zero range	20% F.S.
Manual Zero Range	4% F.S.
Tare Range	100% F.S.
Stable Time	≤5 seconds
Overload Indication	100% F.S. + 9e
Max. Safety Load	125% F.S.
Ultimate Load	400% F.S.
Dynamometer battery	AA size alkaline batteries. 1.5Vx3
Indicator battery	AA size alkaline batteries. 1.5Vx4
Operating Temp.	– 10°C ~ + 40°C
Operating Humidity	≤85% RH under 20°C
Wireless Distance	Up to 30m
Wireless Frequency	2.4GHz (default), 433MHz,860MHz (optional)

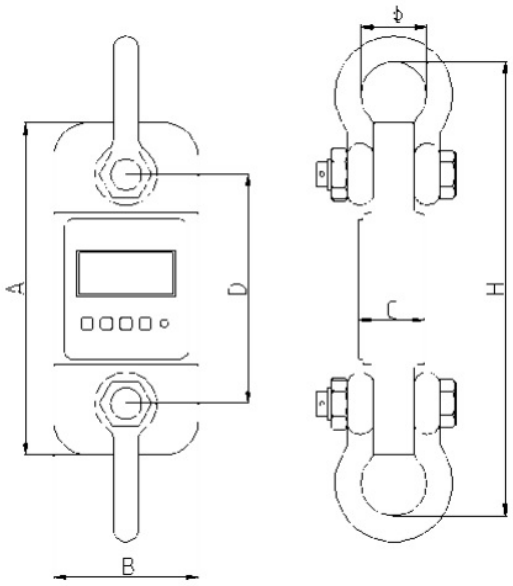
3.2 Technical Specifications

Model	Capacity(kg)	Min. Weigh(kg)	Division(kg)	Total counts (n)
OCSD-1t	1000	10	0.5	2000
OCSD-2t	2000	20	1	2000
OCSD-3t	3000	20	1	3000
OCSD-5t	5000	40	2	2500
OCSD-10t	10000	100	5	2000
OCSD-20t	20000	200	10	2000
OCSD-30t	30000	200	10	3000
OCSD-50t	50000	400	20	2500
OCSD-100t	100000	1000	50	2000
OCSD-200t	200000	2000	100	2000

3.3 Appearance Illustration



Cap: 1-5t



Cap: 10-200t

DIMENSIONS (Dimensions shown are nominal and subject to tolerances)

MODEL	CAP	A(mm)	B(mm)	C(mm)	D(mm)	φ(mm)	H(mm)	Material
OCSD-1t	1t	245	112	37	190	43	335	Aluminum
OCSD-2t	2t	260	123	37	195	51	365	Aluminum
OCSD-3t	3t	260	123	37	195	51	365	Aluminum
OCSD-5t	5t	285	123	57	210	58	405	Aluminum
OCSD-10t	10t	320	120	57	230	92	535	Alloy Steel

OCSD-20t	20t	375	128	74	260	127	660	Alloy Steel
OCSD-30t	30t	420	138	82	280	146	740	Alloy Steel
OCSD-50t	50t	465	150	104	305	184	930	Alloy Steel
OCSD-100t	100t	570	190	132	366	229	1230	Alloy Steel
OCSD-200t	200t	720	265	183	440	280	1362	Alloy Steel

WEIGHTS:

Model	**OCSD-1t**	**OCSD-2t**	**OCSD-3t**	**OCSD-5t**	**OCSD- 10t**
Unit Weight (kg)	1.6	2.1	2.1	2.7	10.4
Weight with shackles (kg)	3.1	4.6	4.6	6.3	24.8
Model	**OCSD- 20t**	**OCSD- 30t**	**OCSD- 50t**	**OCSD- 100t**	**OCSD- 200t**
Unit Weight (kg)	17.8	25	39	81	210
Weight with shackles (kg)	48.6	73	128	321	776

3.4 Power Supply

- **Dynamometer battery:** AA size alkaline batteries. 1.5V x 3
- **Indicator battery:** AA size alkaline batteries. 1.5V x 4
- **Current:** the dynamometer's average current is about 35mA (DC); 3 pcs. of new batteries can be last up to 40 hours under continuous operation.
- Wireless indicator average current is about 28mA (DC); 4 pcs. of new batteries can last up 80 hours under continuous operation.
- **Low battery warning:** When the digits at the display are flashing, it means the battery needs to be replaced. The Dynamometer or wireless indicator will turn off automatically if no activities detected after an hour.

Display and Keys

4.1 LCD Display

a. 25mm (1'') 5 digits LCD with all functions and units.

b. : Wireless signal: It shows up when the signal is stable; It disappears when no signal detected; Flashing when the signal is weak.

c. : Battery Voltage, : Full, : Low, : Empty

d. **PEAK:** Current value is in Peak Hold value (maximum value).

e. **MEM:** Appears once when Parameter or Calibration value is stored to memory. Appearing in the display means the current value is added to Accumulated data.

f. **STB:** Stable Status.

g. **KN:** "kilo-Newton", N "Newton". Tare status "N" will flash.

h. **t:** "Ton"

i. **lb:** "Pound"

j. **kg:** "Kilogram "

4.2 Keys
a. ON/OFF key

- Press “ON/OFF” key to turn on the dynamometer.
- At ON status pressing “ON/OFF” key for 1 second, the dynamometer will turn off.

b. ZERO key
When the dynamometer at no load is showing reading other than zero, pressing this key will zero the reading.
c. UNIT key
Pressing the UNIT key, the scale will switch its unit and the screen will display the following units in order: “kg”→ “lb” →“N” → “kN”→ “t”→ “kg”.
d. PEAK key
When load is changing and unstable, pressing this key will catch and display the maximum reading of the load and freeze the screen. Pressing again this key will return to normal weighing mode.

Dynamometer Functions Guides

Note:
( ) means the key on the dynamometer
  means the key on the indicator
  means the display content
5.1 On/Off

- **Turn ON dynamometer**

OPERATION	DISPLAY	DESCRIPTION
(ON/OFF)	88888	Self-test, flashing twice
	Ert	Flashing twice
	u=3.72	Displays the current software version
	CH=E3	Displays the current wireless channel E3
	5000	Displays the max capacity, e.g. 5t
	U=3.98	Displays the current battery voltage
	———	Waiting to stable
	0	Displays the current load, generally equal to 0

- **Turn OFF dynamometer**

1	Manual Power OFF	Press (ON/OFF) Key for 1 sec.
2	Remote Power OFF	Press MENU or MODE Key at the indicator until it displays “OFF” th en press ENTER key.
3	Auto Power OFF	Set the auto-off function in parameter settings. The dynamometer will display - if having no operation after 15 minutes to save power, and wil l turn off automatically after 60 minutes.

5.2 Zero

	OPERATION	DISPLAY	
1	Press ZERO	0	When the Dynamometer is on, generally it disp lays 0 . In case no weight on it but displaying other than ‘0”, press this button to reset it.
2	Press ZERO		

5.3 Tare

OPERATION	DISPLAY	
Press TARE	0	When tare weight is hanged on the scale such as slin g cable, pressing this key the “TARE” light will light on . The scale will display the net weight of the load.

5.4 Peak Hold

OPERATION	DESCRIPTION
Press (PEAK)	Catch and display the Maximum value of changing load.
Press (PEAK)	Scale will return to normal weighing mode.

5.5 Accumulation

OPERATION	DISPLAY	DESCRIPTION
Press MENU or MODE ke y 5 times	ACCU	
Press ENTER	No***	Current accumulation time
	H****	Front four digits of total value
	L****	Rear four digits of total value

5.5.1 Accumulation Search

OPERATION	DISPLAY	DESCRIPTION
Press MENU or MODE key 6 ti mes	SACCU	
Press ENTER	No***	Current accumulation time
	*****	Current weight reading
	H****	Front four digits of total value
	L****	Rear four digits of total value
Press MENU or MODE key again		Return

Pressing TARE and ZERO can check different times, weight and accumulation.

5.5.2 Accumulation Clear

OPERATION	DISPLAY	DESCRIPTION
Press MENU or MODE key 7 tim es	CLEAr	
Press ENTER	CLr 1	Ask if you want to clear or not
	noCLr	Press MENU key Cancel clear
	88888	Press ENTER key Confirm clear

5.6 Battery Voltage

OPERATION	DISPLAY	DESCRIPTION
Press MENU or MODE key 3 tim es, Display “dC”, press ENTER key .	U *.**	Displays the current battery voltage
Press MENU or MODE key again		Return

Note: Battery voltage normally between U 3.50 to U 4.70 , if below U 3.10 , the display will flash, Battery should be replaced.

5.7 Unit

	OPERATION	DISPLAY	DESCRIPTION
1	Press MENU or MODE key 4 ti mes	UnIt	
	Press ENTER key	Un=0	Un=0, the unit is in kg. Press ZERO or DATE to select unit from 0-4. 1 means lb; 2 means N; 3 me ans KN; 4 means ton.
	Press MENU or MODE key	0	Confirm chosen unit and return to weighing mode .
2	Press (UNIT)	Un=0	The dynamometer will display kg, lb, N, kN, ton in sequence.

5.8 Return

OPERATION	DISPLAY	DESCRIPTION
Press MENU or MODE key 9 ti mes	ESC	
Press ENTER key	0	Return to normal weighing mode

For P580, press the Esc key in the keypad to return to normal weighing mode.

5.9 Set Point

There are two user-programmable Set-Point that can be used for safety and warning applications or to limit weighing:

_ 1 LO SP1 1 HI 2 LO SP2 2 HI

OPERATION	DISPLAY	DESCRIPTION
Press MENU or MODE key twice	SETUP	Confirm, enter into parameter setting program
Press ENTER	SP1	Set point 1
Press ENTER to confirm	1 OFF	For new dynamometer, it displays 1 OFF. If already set, it will display the set value.
Press ZERO to choose	1 HI or 1 LO	There are 3 choices: 1 OFF means you will not set a set point; 1 HI means the indicator will alarm when l oad exceeds the set value; 1 LO means the indicato r will alarm when the load is smaller than the set val ue.
Press ENTER to confirm	02000	The screen should display 02000 if you set it to 200 0.
Press ZERO and TARE to c hange value	01000	Set “1 HI” or “1LO” Value. e.g. 1000kg
Press ENTER to confirm	SP2	Set point 2

Press ENTER to confirm	2 OFF	The screen will display 2 OFF. If already set, it will display the set value.
Press ZERO to choose	2 HI or 2 LO	There are 3 choices: 2 OFF means you will not set a set point; 2 HI means the indicator will alarm when load exceeds the set value; 2 LO means the indicator will alarm when load is smaller than the set value.
Press ENTER to confirm	01200	The screen should display 01200 if you set it to 1200.
Press ZERO and TARE to change value	03000	Set “2 LO” or “2 HI” Value. e.g.3000kg

If you will not set a set point, just press the ENTER key until it displays the next function.

Wireless Indicator Operation Guides

P180	P380	P580	DESCRIPTION/FUNCTION
Push button switch	ON/OFF	ON & OFF	Pressing ON/OFF will turn on or turn off the indicator.
ZERO			When the screen displays reading other than zero during weighing mode, pressing the ZERO will return the scale to zero.
TARE			1. When there is tare weight such as a container and threading is stable, pressing this key will display “0” and “N” indicator will flash. 2. Putting the object(s) into the container, the dynamometer will display the net weight. 3. If the object(s) and container are removed, the dynamometer will display a negative value. 4. During Parameter Settings, it can also be used as a directional key.

ENTER	Used as function selection, normally combined with MODE or MENU
PEAK	When load is changing and unstable, pressing this key will catch and display the maximum reading of the load and freeze the screen. Pressing this key again will return to normal weighing mode.
MODE or MENU	Used to browse or shift the modes / menus / functions of the scale, normally combined with ENTER to select the menu: • Pressing MODE key once will display “OFF” and pressing ENTER will remotely turn off the dynamometer. The indicator will display “noSIG”, means no signal received. • Pressing MODE key twice will display “SETUP” and press ENTER to access its parameter settings. After setting the parameters, press the MODE key to confirm the settings and to return to weighing mode. • Pressing MODE key 3 times will display “dC”. Press ENTER to read current battery voltage. Press MODE key again to return to weighing mode. • Pressing MODE key 4 times will display “Unit”. Press ENTER to access unit selection. Press ZERO to select unit, press MODE again to return to weighing mode. • Pressing MODE key 5 times will display “ACCU”. Press ENTER to access Accumulation status. Press MODE to return to weighing mode. • Pressing MODE key 6 times will display “SACCU”. Press ENTER to access Accumulation Search status. Press MODE key to return to weighing mode. • Pressing MODE key 7 times will display “CLEAR”. Press ENTER to access Accumulation clear status. The display will show “CLr 1”. Pressing TARE will show “noCLr”. Press MODE to return to weighing mode. • Pressing MODE key 8 times will display “CLIbr”. Press ENTER to enter into calibration program. When calibration is finished, press MENU to return to weighing mode. • Pressing MODE key 9 times will display “ESC”. Press ENTER to return to weighing mode.

Parameter Settings and Calibration

Setting the parameters and calibration can only be achieved using its wireless indicator (P180 or P380 or P580).

7.1 Key Functions

KEY			FUNCTION
P180	P380	P580	
TARE			Move to next digit
ZERO		DATE	Set digit’s value
MENU	MODE	MENU	Store and exit
ENTER			Confirm

7.2 Parameter Settings

OPERATION	DISPLAY	DESCRIPTION
Press MENU or MODE key twice	SETUP	Confirm to enter into parameter settings menu
Press ENTER	FS=06	The screen displaying FS=06 means the scale will be set to 6000kg capacity scale. If set to FS=10 then the capacity will be 10000kg.

Press ZERO or DATE	FS=05	Assuming we are setting a 5-ton scale, set FS=05. Here are the available capacities that can be set:02 / 03 / 05 / 06 / 10 / 15 / 20/30/50/60/75/80.
Press ENTER to confirm	Id=02	The screen may display Id=02. This maybe the division set during previous calibration.
Press ZERO or DATE to choose	Id=02	Assuming we will set the 5-ton scale into 2kg division, so, we will set Id=02. Here are the available options: 01 / 02 / 05/10/20 circularly.
Press ENTER	Pt=0	The screen may display Pt=0. This indicates the decimal point position. We will set it to Pt=0 for the 2kg division.
Press ZERO or DATE to choose	Pt=0	Choose decimal position. The options are 0/1/2/3 . 0=xxxxx, 1=xxxx.x, 2=xxx.xx, 3=xx.xxx. For Cap.5000kg ,we will set Pt=0
Press ENTER to confirm	Ab=24	Zero range settings. A: zero range by hand (manual); B: automatic zero range. There are 6 options: 0=0%F. S; 1=2%F.S; 2=4%F.S; 3=10%F.S; 4=20%F.S; 5=50%F.S. Generally do not change this parameter.
Press ENTER to confirm	Cd=11	If Dynamometer was already calibrated, it will display the calibrated value for zero tracking range (e.g Cd=11).
Press ZERO or DATE to choose	Cd=12	C: zero-tracking range. There are 6 options; 0=0d; 1=0.5d; 2=1d; 3=1.5d; 4=2d; 5=2.5d d: display speed. There are 3 options: 0=slow; 1=average; 2=fast. Before calibration, set Cd=00 to achieve high accuracy. After calibration, set Cd back to Cd=11 again. Generally choose Cd=12.

Press ENTER to confirm	LL=2	If Dynamometer was already calibrated, it will display the c alibrated value for filter parameter (e.g LL=2).
Press ZERO or DATE to c hoose	LL=1	LL: filter parameter has 6 options from smallest to biggest. Before calibration, set LL=0, after calibration, set LL=1, gen erally choose LL=1.
Press ENTER to confirm	Un=0	If Dynamometer was already calibrated, it will display the c alibrated value for the measurement unit (e.g Un=0).
Press ZERO or DATE to c hoose	Un=0	Set Un=0 for kg, Un=1 for lb, Un=2 for N, Un=3 for KN, Un= 4 for t, Generally, choose Un=0.
Press ENTER to confirm	OFF 1	If Dynamometer was already calibrated, it will display the c alibrated value for auto off function (e.g OFF 1).
Press ZERO or DATE to c hoose	OFF 2	Auto Off has 3 options: 0: turn off by hand; 1: if no operatio n, the screen will display —— after 15minutes to save power ; 2: if no operation, the screen will display—— after 15minutes, and turn off automatically after 60minutes. Gen erally, choose OFF=2.
Press ENTER	SP1	Set point 1
Press ENTER to confirm	1 OFF	The screen will display 1 OFF, if this parameter was set. It will display the set value.
Press ZERO or DATE to c hoose	1 HI or 1 LO	There are 3 choices: 1 OFF means you will not set set point; 1 HI means the indicator will alarm when load exceed s the value you set; 1 LO means the indicator will alarm wh en load is smaller than the value.

Press ENTER to confirm	02000	The screen should display 02000 if parameter is set to 2000.
Press ZERO or DATE and TARE to change value	01000	Set “1 HI” or “1 LO” Value. e.g. 1000kg
Press ENTER	SP2	Set point 2
Press ENTER to confirm	2 OFF	The screen will display 2 OFF, if this parameter was set. It will display the set value.
Press ZERO or DATE to choose	2 HI or 2 LO	There are 3 choices: 2 OFF means you will not set set point ; 2 HI means the indicator will alarm when load exceeds the value you set; 2 LO means the indicator will alarm when load is smaller than the value
Press ENTER to confirm	01200	The screen should display 01200 if parameter is set to 1200.
Press ZERO or DATE and TARE	03000	Set “2 LO” or “2 HI” Value. e.g.3000kg, input 3000
Press ENTER	g=	Acceleration due to gravity
Press ENTER , ZERO or DATE and TARE to change value	9.7930	The screen will display the default or the calibrated (e.g 9.7930). User can change it according to local area gravity value. The value range is 9.783 – 9.832.
Press MENU or MODE key	End 0	Confirm above parameter setting. Exit parameter setting program.

Below is the recommended division and decimal position of the scale according to its full scale capacity:

CAPACITY/DIVISION	FS CAP	Id (DIVISION)	Pt (Decimal position)
1000kg/0.5kg	10	05	1
2000kg/1kg	02	01	0
3000kg/1kg	03	01	0
5000kg/2kg	05	02	0
10000kg/5kg	10	05	0
15000kg/5kg	15	05	0
20000kg/10kg	20	10	0
30000kg/10kg	30	10	0
50000kg/20kg	50	20	0

7.3 Calibration

User must set all parameters before doing calibration.

7.3.1 One Point Calibration

OPERATION	DISPLAY	DETAILS
Turn on dynamometer and indic ator	0	In these instructions, we assume we have 5000kg dyna mometer. Make sure it is displaying 0 before starting th e calibration. At this stage you can hang tare weight (if it is required) then reboot the dynamometer to get zero reading.
Press MENU or MODE 8 tim es	CLIbr	Access calibration menu
Press ENTER key	CAL 1	When CAL 1 is displaying press enter to start the one point calibration
Press ENTER key	CALSP	In this stage we have to run the zero calibration. Make sure the scale has no load and it is in stable status.
Press ENTER key	LoAd	Hang the span calibration weight. In this example we wi ll use a 3000kg weight. Wait until STB signal appearing in the screen
Press ENTER key	05000	It will display the full scale capacity you set in parameter settings. The first digit will be flashing. Wait u ntil “STB” signal is displaying on the screen.
Press ZERO or DATE and T ARE key	03000	We will change the value to 3000 since we will be using a 3000kg calibration weight. Press ZERO to change v alue, press TARE to move to next digit.
Press MENU or MODE key	——-	Confirm, store and run the span calibration
	-oL-	
	End	When End is displaying meaning calibration is finished.
	3000	
Attention: The test load required in order the calibration will continue should be more than 20% of its FS capaci ty. It is highly recommended to use a test load of at least 80% of its FS capacity to get a better calibration result.		

7.3.2 Three Point Calibration

If you want the scale to have high linearity result, calibrate the scale using the 3 point calibration procedure:

Turn on the dynamometer. Make sure it is displaying 0 even there is tare weight on it.

Turn the indicator off. While the indicator is off, press and hold MENU or MODE key then press the ON/OFF key until it displays LOCAL . For P180, you must use its USB and insert it to a PC to get a power.

OPERATION	DISPLAY	DETAILS
Press MENU or MODE (insert to PC)	LOCAL	
Press ZERO or DATE	CLInt	
Press ENTER	u 1.03	Displays the Current indicator Software version
	88888	
	Ert	
	CH=E3	Displays the current indicator channel E3
	U=X.XX	Displays the current indicator voltage which is X.XX
	SETdC	
Press MENU or MODE	SEtrF	Dynamometer's RF parameter setting
Press MENU or MODE	SEt3P	Enter into a 3 point calibration
Press ENTER	CAL 3	In these instructions, we will set 5000kg scale as an exampl e. For the 5000kg scale, the recommended calibration weig hts are LOAD1: 1500kg, LOAD2: 3000kg, LOAD3: 5000kg
Press ENTER	CALSP	Zero point calibration. Make sure the stable light is on befor e running this procedure
Press ENTER	LoAd1	At this stage you will load the LOAD1 which is 1500kg (fro m our example). First load must exceed 20% of its capacity.
Press ENTER	05000	It will display FS capacity you set in parameter settings.
Press TARE and ZERO or DATE	01000	Change the value into 1500. Press ZERO to adjust digit's value and press TARE to m ove to next digit. Wait until STB light turns on.
Press ENTER	LoAd2	Hanging the second load LOAD2 which is 3000kg (from our example). Second load must be at least 20% of its capacity greater than the first load. Wait until STB light turns on.

Press ENTER	01800	Based on the first load, it will display the minimum weight r equired for the second load. From our example, it may displ ay 1800.
Press TARE and ZERO or DATE	03000	The LOAD2 shall be 3000 (from our example). Press ZER O to adjust digit's value and press TARE to move to next digit. Change the value here into Input 3000 and wait until STB light turns on.
Press ENTER	LoAd3	Hanging the third load.
Press ENTER	03600	Mention your Load3 must exceed 2600kg
Press TARE and ZERO or DATE	05000	From our example LOAD3 shall be 5000kg. Change the val ue here into 5000 and wait until STB light turns on
Press ENTER	——— - End 5000	
Press MENU or MODE	ESC	Press Menu or Mode multiple times until it displays Esc the n press enter to exit calibration.

First load: LOAD1 must be larger than 20% of its FS capacity and
LOAD1<LOAD2<LOAD3. Between LOAD1 and LOAD2 and LOAD2 and LOAD3, the interval must be greater than 20% of its FS capacity.

Display Illustration

DISPLAY	ILLUSTRATION	DESCRIPTION
noSIg	Without wireless signal	Distance too far.
SEtUP	Enter into parameter setting	
UAdJ	Enter voltage calibration	
LoAd	Calibration point	
- - - - -	Exceed high limit	Tare weight cannot exceed full capacity
	Exceed low limit	Tare weight cannot be negative
———	Waiting stable	
Err10	Weight less than Min. Capacity	Cannot accumulate the value
Err11	Accumulated times overflow	Cannot accumulate after 30 times

Err12	Accumulated weight overflow	Cannot accumulate after 99999
Err13	Error in repeat accumulation	Cannot accumulate one weight repeatedly
no***	Current accumulation times	
H****	Front four digit of accumulated	Total weight=front four digit + rare four digit
L****	Rare four digit of accumulated	Total weight=front four digit + rare four digit
CLr	Ask if you really want to delete accumulated weight	In case of error deletion
noCLr	Give up deletion	
88888	Confirm deletion	
- - -	Input value is too large	When you input tare or weight value
	Input value is too small	When you input tare or weight value
noACC	No accumulated value	When you check accumulation
-oL0-	Overload warning	Tare + Net weight exceed full capacity + 9e
-oL1-	Overload warning	Tare + Net weight exceed full capacity 125 %
-Lb-	Low battery warning	Turns off automatically one minute later
U*.**	The voltage of current battery	
End	End	When parameter setting or calibration ready
OFF	Turn off	
Unstb	Input value before STB light on	

Troubleshooting Guides

PROBLEM	POSSIBLE CAUSE	SOLUTION
No display	Defective battery	Replace
	Defective button	Requires authorized service
	Power button not properly pressed	Press and hold ON/OFF key for thr ee seconds
Digits flash	Low battery	Replace battery
Display does not respond to load c hanges	Faulty load cell or PCB	Requires authorized service
	Out of calibration	Re- calibration
Display experiences excessive Zer o drift between weighing	Dynamometer does not stabilize aft er turning on	After turning on, heating 3-5 minute s.
Displayed weight shows large error	Dynamometer not Zeroed before a pplying weight	Depress ZERO before applying wei ght
	Requires recalibration	See calibration
	Kg/lb wrong selection	See operation
Wireless distance shortened	Wireless indicator's battery is low	Replace battery.

RS232 Protocol

Pre-code		Data(ASCII)					0X +/-(0 m eans+ F m eans -) X is decima l position	39 39 Co mmodity number	F0 Stable Sig nal F0: (stable) 00: (unstable)	F0 Wireless Signal F0: Have si gnal 00: Without signal
FF	AA	data (H)	data	data	data	data (L)				

RS-232 Setup Instructions
Communication Configuration
Port: COM1
Baud Rate: 4800
Data Bits: 8
Stop Bits: 1
Parity: None
Display mode HEX

Anyload Weigh & Measure Inc.
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Fax: +1 866 612 9088
North America Toll Free: 1-855-ANYLOAD (269 5623)

Documents / Resources

	**ANYLOAD OCSD Series Wireless Dynamometer** [pdf] User Manual P180, P380, P580, OCSD Series Wireless Dynamometer, OCSD Series, Wireless Dynamometer, Dynamometer

References

- ANYLOAD Weigh & Measure Inc.
- ANYLOAD Weigh & Measure Inc.