OP-903 (3) scale Indicator

Operators Manual

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DISPLAY AND KEY DESCRIPTION

ON/OFF	Powers the Indicator On or Off if held for 2 seconds
SWITCH	Switch the weight between the pad weight and the total weight
CHECK	Check and read the saved weight data to print
KG/LB	Shifts between weighing units (kg/lb)
TARE	1. Zero's the scale. Used when using a container to hold objects 2. Clears the tare to see the gross weight
ZERO	Zero's the scale
STORE	In accumulative weighing mode it accumulates the axle weight and prints the weight data
PRINT	1. Print data 2. Works with the switch button to enter the calibration menu
Total	Shows you are in Accumulation mode
→()←	The scale is at zero
◣◢	The scale is stable
Net	Shows you are in Net weight mode (without tare)
Gross	Shows you are in Gross weight mode (includes tare); default mode
Tare	Shows you have tared the scale
🔋	Indicates the charge of the battery
lb	The weight is shown in pounds
kg	The weight is shown in kilograms
100%	Shows the percentage of weight on the pad out of the total weight
L	The weight of the Left main
C	The weight of the Center wheel
R	The weight of the Right main
⏻	Power
⇥	Back
⎗	Save and Exit
◀▶▼▲	Arrow keys
↵	Return/Enter

INDICATOR PARAMETER SETTINGS

This indicator has 5 different setting modes, [F1, F2, F3, F4, F5. Each mode changes different indicator parameters.

To enter calibration/parameter settings, follow the procedure below:

1. Press and hold the SWITCH and PRINT key at the same time for 2 seconds
2. Navigate through the setting modes (F1 to F5) by using the arrow keys and return keys as labeled under
3. Press the PRINT ⬅ key to enter/edit the parameter setting

F 1 Menu
Setting working mode, unit, decimal, graduation, and capacity

Step	Parameter	Display	Settings/Options
	Enter F1 Menu	F 1	⬅
1	Mode	Mode 2	Choose how many weighing pad's you'll be using Options: 1/2/3/4
2	Unit	Unit-0	Choose default unit 0=kg 1=lb
3	Decimal setting	dot--2	0 = no decimal 1 = #.# 2 = #.## 3 = #.### 4 = #.####
4	Graduation Setting (readability of the least significant digit)	E - 05	Options: 1/2/4/10/20/50 Example with no decimal places (ie step 3=0) 1 = 1 lb 2 = 2 lb 5 = 5 lb 10 = 10 lb 20 = 20 lb 50 = 50 lb
5	Max Capacity	Full-0	0 = do not change the max capacity 1= change the max capacity ex. If step 2=0 and step 3=2 when changing max capacity 0100.00 = 100kg Then press ⬆ to save your settings

F 2 Menu

Setting the Choosing a pad to calibrate, zero calibration, loading calibration, and saving

Step	Parameter	Display	Settings/Options
	Enter F2 Menu	*F 2*	↵
6	Pad Choice	*SCALE 1*	Choose a pad/scale to calibrate Options: 1/2/3/4
7	Zero Calibration	*CAL--0*	0 = do not calibrate 1 = calibrate Note: when 1 is selected the indicator will count down from 9-0 and move on to the next setting
Step	Calibration	*SPAN-0*	When ready for calibration, setting the span tells the indicator the weight you will be calibrating the scale with
			0 = do not set the span
10			1 = set the span Use the arrow keys to set your calibration weight and when done load your calibration weight to the scale
11			Once stable press to calibrate
12			The indicator will count down from 9-0 and move on to the Saving parameter (Select 1 and press print to save your calibration settings)
13			
14			
15			
16			
8			
9	Save	*SAVE-0*	0 = do not save calibration 1 = save calibration

F 3 Menu

Step	Parameter	Display	Settings/Options
17	Automatic Power Off	*OFF-00*	00 = turn off auto power off 10 = power off automatically if no change within 10 min 30 = power off automatically if no change within 30 min 60 = power off automatically if no change within 60 min
18	Back Light	*BL--00*	00 = Backlight on 10 = Backlight off after 10 seconds
19	Date Format	*Date-0*	0 = year, month, day 1 = month, day , year 2 = day, month, year
20	Date	*300713*	Set according to previous parameter
21	Time	*14:13:20*	Set using Military time

F 4 Menu

Step	Parameter	Display	Settings/Options
	Enter F4 Menu	*F 4*	↵
22	Records	*S-0560*	Set how many records/weights you want your indicator to store Max. the indicator can store is 2000 cps.
23	PCB	*HE-10A*	PCB version 1.0A
24	Software	*SE-100*	Software version 1.00
25	L	*L code*	Check the left main ad code
26	C	*C code*	Check the Center wheel ad code
27	R	*R code*	Check the Right main ad code
28			

F 5 Menu

Step	Parameter	Display	Settings/Options
	Enter F5 Menu	*F 5*	↵
29	Delete Weighing Records	*dELA-0*	0 = Do not delete the weighing record 1 = Delete the weighing record

OPERATING INSTRUCTIONS

Plug In Your Pads

Although each base is wired the same, you should always respect the color code. Red base is plugged into Red port on the indicator. Yellow base to yellow port, ect. We left them interchangeable to assist in troubleshooting only. If colors do not match, your calibration will probably be wrong. Pads should be plugged in before powering up your indicator.

Power on

Turn on the power by pressing the power button for 3 seconds. Once on the scale will flash the voltage and then begin auto-check and count down from 0-9 sequentially before entering the weighing mode. Note: Anything on the scale before power up will automatically be zeroed out. Leave powered up for at least 5 minutes, then verify that each scale is on zero. Stand on each scale and observe your weight. If you don't weigh the same on all three scales, within 1 increment, your scales are out of calibration. Don't waste your time trying to weigh your aircraft as the error will get worse as the weight increases.

Zeroing

The zero function is used only when the pad is empty. All items on the pad will be zeroed on all three scales when you press this button. **Warning:** If Aircraft is on scale, you will have to remove it and start over.

Unit Selection

To switch between LB and KG, Press (LB/KG) key.

TARE Function

Tare function is normally not used in weighing Aircraft. If used it would allow switching between Net and Gross Weight. Holding the [Tare] button for 2 seconds will allow input of specific tare number using the arrow keys.

SWITCH Function

Press [Switch] button to see individual pads or when they all are showing that is the Gross weight of your aircraft.

Print Function

Press [Print] button if you ordered this optional feature.

Remove the painted top, using an Allen wrench. Your scale may look like the attached photo. Remove the strain relief next to the carry handle. The wire does not unplug from the load cell. As you can see in photo it does unplug from the indicator end. Notice this photo shows the color code BLUE.

If you want to use our Calibration/Certification service, you can remove the load cell by taking the 4 bolts out of the bottom of the load cell. Protect the wire from damage that could occur in shipping. Pay particular attention to prevent the wire from damage as it first leaves the back of the body. A little care will allow recertification without the requirement of shipping the cast aluminum frame. You will also need to return the OP-903 INDICATOR because calibration is a marriage between your load cell and the correct port of your indicator.

If you choose to send the unit back fully assembled (frame and all), we will give you a discount to offset your shipping cost. Current cost assembled is $20.00 per pad, or $30 if we supply our labor & pad, as this will save you substantial shipping cost. Do not sent A/C adapter.

If your Base doesn't look like this, call us before proceeding. (479) 751-7225