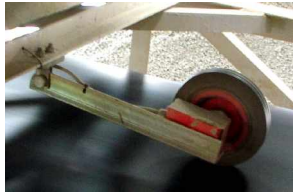


Installation Instructions

Assemble the weighframe and load cells as instructed on the reverse of this page.

Mount the Integrator in the required position and wire as per the drawing supplied. No power is required at the weighframe.



Mount Speed Sensor on clean side of return belt so that the arm is "trailing".
Do not mount speed sensor on weighframe. Direction of rotation is not important.

Measure distance between centre line of -1 idler to centre line of +1 idler. (The roller sets either side of the weighroller) Divide this distance by 2. This dimension is the Weighspan.

Calibrating the Integrator

First rules: The instrument is Menu driven. The ENT key enters data and the # key aborts functions and returns to the previous operation (similar to an Esc key on a computer.) If in doubt use the # key and start again.

Enter Weighspan: Press ENT to go into **Main Menu** – Press 3 then ENT to go into **Calibration Menu** – Press 3 then ENT to go into **Material Calibration**. The default value of the **Weighspan** is 1.00m – change to the dimension you have measured. (If asked for a password it is 1234 then ENT)

Press the # key to return to the **Calibration Menu** – Press 2 then ENT to go into **Weigh Calibration** – **Cal Duration**: – Measure length of belt, then divide by 25 and enter the answer in Cal. Duration. ie. $120 \div 25 = 4.8$ therefore set Cal. Duration to 5. - Using Down Arrow, move the cursor to **Span Weight**: - Select a weight to use for calibration and enter the value in Span Weight. Move the cursor to **Zero Cal.**: - Make sure the belt is stationary and there is no material on the belt. – press the ENT key 4 times – the bottom line should then read "Weigh on Load Cell = 0.0kg" (or very close).

Move the cursor to the **Span Cal**: position and then place the calibration weight on the belt immediately on top of the weigh roller. – press the ENT key 4 times - the bottom line should then equal the weight of the calibration weight. (ie. if a 25 kg weight is used the bottom line should show "weight on load cell" 25.0kg.)

Press the # key twice to go into the **Main Menu** – Press 4 then ENT to go into the **Display Set UP** screen - the top line **Rate Full Scale** will be set to the default value 500tph. Change this value to whatever your maximum flow rate will be (plus 20% to allow for surges of material) – press the # key twice to return to **Main Menu** with the cursor on RUN – press ENT to return to the **Run** screen.

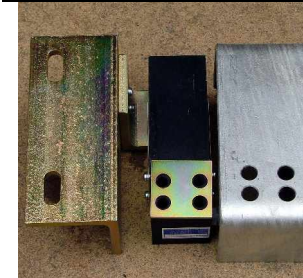
This completes the basic calibration – now perform the "**Sequence for performing a ZERO**" and "**Sequence for performing a Material Calibration**" to complete the installation.

THE ZERO CALIBRATION SHOULD BE CARRIED OUT AT REGULAR INTERVALS.



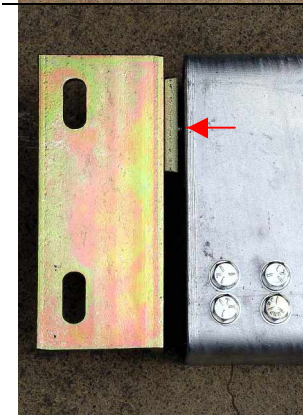
Step 1

Unpack the load cells and the weighframe.
Remove the 4 bolts from the top of the load cells.



Step 2

Place the load cell inside the weighframe making sure the load cell spacer is in place as shown in picture.



Step 3

Fix load cell to weighframe using the four bolts as shown. MAKE SURE there is at least a 3 mm gap between load cell bracket and weighframe.



Step 4

Place weighframe assembly on conveyor structure - position so that the assembly is central and square - mark position of fixing holes - remove weighframe and drill holes.



Step 5

Modify existing roller set and fit to weighframe.
Do not do any welding with load cells connected.



Step 6

Place assembled weighframe on conveyor with all fixings loose. Tighten mounting plates to conveyor - Tighten load cell bolts - Make sure weighroller is same height as +1 & -1 idler sets (use string line) - tighten M10 height adjustment screws on side plates. Secure cable to side of weighframe.