

Please read these instructions in conjunction with the MasterMount Data Sheet.

Caution: In order to provide additional security, and also to allow necessary angular clearance for the MasterMount Assembly during installation, ensure that the 4 off transit Nuts/Washers are sitting approximately half way up their Screws so that there is a small clearance between the top of the Flat Washers and the underside of the Top Mounting Bracket.

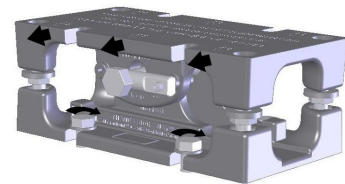
Unpack the MasterMount assembly and the Load Cell.

Check that parts are free from damage and that all the intended items are included. Each box contains:

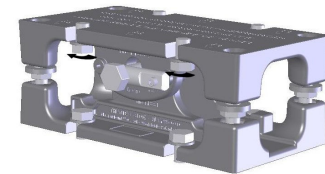
- 1x MasterMount Assembly (includes Special Cam Profile Pin)
- 1x Load Cell
- 2x Loading Pins

Note: To ensure smooth and free operation apply a generous coating of high pressure grease to the loading Pins, the Special Cam Profile Pin contact surfaces, and also to the top faces and undersides of the Nuts and Flat Washers.

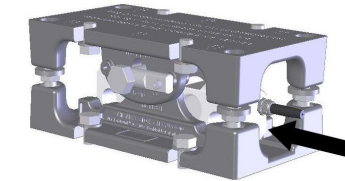
2) Position the MasterMount assembly onto the load bearing structure, and secure it via the slots in the base Bracket using 4 off M16 bolts. Orientate the assembly according to the information cast into the Top Mount surface, and check that the Cam Shaft Lever is secured in the LOAD OFF Position.



3) Position the vessel or structure to be weighed onto the Top Bracket of the MasterMount. Secure the mating vessel support surface to the Top Bracket of the MasterMount™ via the 4 slotted holes and the 4 off M16 bolts.

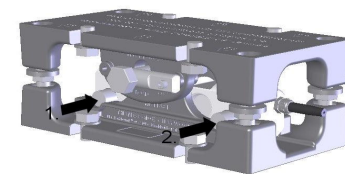


4) Slide the Load Cell into the MasterMount assembly Base Bracket, (cable end of Load Cell last), so that the 'through holes' in the Load Cell line up with the Load Pin recesses in the Base Bracket.

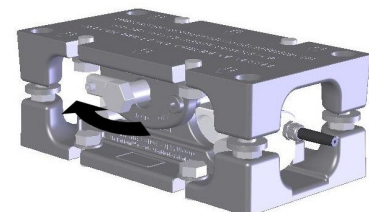


5) Identify the 2 off Load Pins in the box, then lift up one end of the Load Cell above the semi-circular recess and slide a Load Pin through the hole in the Load Cell and ensure it locates into the recess. Carry out the same procedure for the second Load Pin.

Align the Load Cell so that it sits centrally within the frame when viewed 'end on'.



6) Unwind the 4 Transit Nuts down to their lowest position on the screws. Remove the small screw and nut that secures the Cam Shaft Lever in the LOAD OFF position, but do not discard. Using a suitable Socket type spanner and bar, slowly rotate the Cam Shaft 180 degrees clockwise to the LOAD ON position and line up the hole in the arm with the securing hole in the top Bracket, and re-fit the securing screw and nut and tighten. The process of rotating the Cam Shaft transfers the load to the Load Cell assembly, ready for service. The Load Cell is easily removed by reversing the procedure detailed in sections 4), 5) & 6).



Issue: E
Date: 27/10/10

Thames Side Sensors Ltd
Unit 10, io Trade Centre
Deacon Way, Reading
Berkshire, RG30 6AZ

