

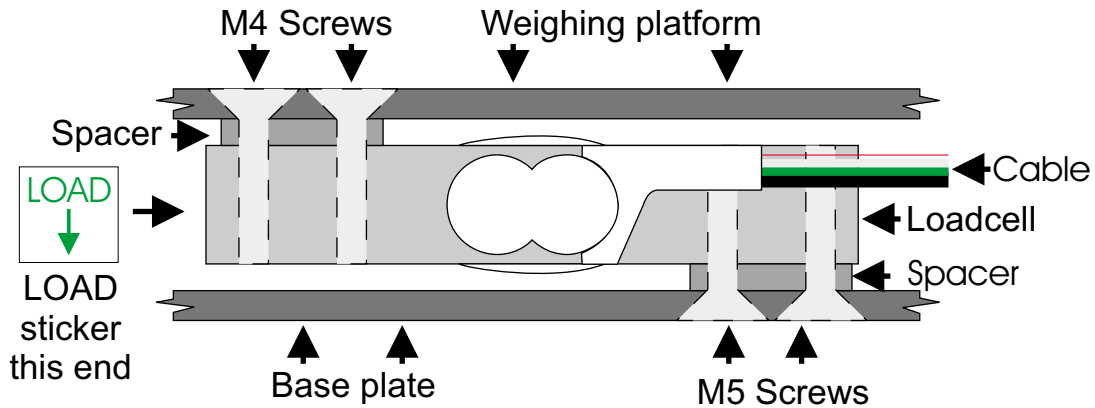
LOADCELL MOUNTING TECHNIQUES

Check the orientation of the loadcell against this diagram before screwing anything to it.

It is important that anything that is screwed to the loadcell must be flat as rough surfaces will distort the loadcell and cause inaccurate readings.

The Loadcell must be mounted in a level position to obtain accurate readings.

The base plate should be made from material that is rigid enough so as it will not flex when the maximum weight is applied.



If the base plate flexes it has the same effect as mounting the loadcell on an incline and will cause inaccurate readings. The rigidity of the weighing platform is not important. If you have made and attached your base plate and weighing platform correctly the item being weighed will weigh the same regardless of its position on the weighing platform. Dropping objects on the weighing platform or sudden impacts with the assembly may damage the loadcell and the weigher will become inaccurate. The total deflection of the loadcell is less than 0.25mm to read the maximum weight. Some weighers are supplied with the loadcell type as shown below. Spacers are required to raise the loadcell above the base plate without pressure being applied to the strain gauge that is glued to the underside of the loadcells. An alternative method would be to groove the base plate to allow the loadcell to sit flat on the surface of the base plate

