

4

Causes of Weighing Errors



Think all load-cell based scales are created equal?

Think again.

Error can creep in from the most unlikely places

Unreasonable haste is the direct road to error.

Moliere - 1650

Problem

Solution



Vibration

Placing a sensitive scale near heavy machinery can result in vibrations being picked up by the load cell.

Ensure the scale is isolated from any nearby moving equipment



Air Gusts

Moving air can push a scale down creating false "weight".

Install scale draft shields to block moving air, or divert the building ventilation to a different location.



Friction

Scale components that rub aggressively against each other can cause tiny vibrations which are picked up by the load cell.

Conduct necessary maintenance on parts that wear



Lack of Calibration

Load cell values will stray from their true reading over time

Conduct calibration according to the manufacturers specifications

Contact us to learn more.