

Toolbox Talk

Calibrated Equipment



What?

- Your equipment is working fine, but how do you know it is measuring accurately?
- Equipment calibration is vital to ensuring that tools and instruments achieve the necessary standards of accuracy and precision for manufacturing, safety, and quality control
- The provision of calibration certificates further documents an equipment's compliance, offering concrete evidence of its reliability and adherence to stringent regulatory requirements
- This process, essential for aligning equipment outputs with recognised standards, adheres to rigorous guidelines like ISO 9001, promoting consistency across industries

Why?

- The performance of tools and instruments tends to drift over time and every tool loses accuracy to some extent
- In the field of engineering, the paramount importance of ensuring operational safety and reliability cannot be overstated, with precise tool calibration being fundamental to this endeavour
- This process involves aligning the performance of tools and instruments with established regulatory and industry benchmarks, a step that is critical in averting measurement errors and inaccuracies that could compromise the integrity of professional work
- Equipment which should be calibrated including anything used to measure or monitor an output such as torque wrenches and screwdrivers, Insulation testers, cable testers, electrical meters, gas detectors, feeler gauges, laser levels, load cells, and data loggers

Do



- ✓ Check equipment is fit for purpose
- ✓ Look out for the label which confirms the last calibration
- ✓ Carry out calibration of equipment when indicated
- ✓ Visually inspect equipment prior to use and follow manufacturer's instructions
- ✓ Present monitoring and measuring equipment you may have for calibration
- ✓ Immediately report any defects you find
- ✓ Use equipment for its intended purpose
- ✓ Ensure new equipment has a record of calibration

Don't



- ✗ Interfere with calibrated equipment
- ✗ Use defective or damaged items
- ✗ Use equipment not displaying a calibration label
- ✗ Use equipment past the indicated next calibration date
- ✗ Change components unless trained
- ✗ Hide monitoring and measuring equipment when it is due for calibration
- ✗ Issue new equipment without record of calibration