



# THE IMPORTANCE OF CALIBRATION

When accuracy is essential to the work you do, calibration becomes a vital procedure in maintaining the high standards you require.

With this in mind, choosing the correct calibration service provider is a critical step in achieving the precision you need.





# CALIBRATION: WHAT DOES IT MEAN?

Calibration is the process of verifying the accuracy of a measuring instrument. The process works to eliminate or reduce the cause behind the equipment measuring inaccurately and also aims to improve efficiency, compliance, and safety.

During a calibration, the readings from the equipment being calibrated are compared with another piece of traceable equipment that has been calibrated and referenced to a known standard.

Traceability means that the reference standard used must have been calibrated using an even higher level standard. Traceability should display an unbroken chain of calibrations in which the highest level of calibration has been complete in a National Calibration Centre.



# CALIBRATION: WHY IT IS IMPORTANT

Calibration is important, because over time your equipment's ability to measure accurately decreases. This happens for a number of reasons such as

**Normal wear and tear**

**&**

**Environmental factors such as  
Pressure, Temperature and Humidity**

Calibrating equipment maintains its accuracy, standardization and repeatability in measurements which ensures reliable benchmarks and results. Not calibrating equipment threatens its quality, safety and longevity as well as its ability to provide accurate measurements.



# CALIBRATION: WHEN SHOULD YOU CALIBRATE YOUR EQUIPMENT?

The answer to this question will vary depending upon application. Below are some useful calibration frequencies to consider.

## **Manufacture's Recommendation**

**When your organisation requires a valid calibration certificate**

**Annually, Biannually, Quarterly, Monthly**

**Before/After an important event, project or test**

**After an accident involving your equipment**



# WHY CHOOSE US?

European Instruments able to perform on-site or back to base Balance, Scale, Weight and Pipette Calibrations.

We offer three different service levels when it comes to calibrating your equipment ranging from our standard ISO calibration to UKAS Calibration for those who require traceability to international standards designed for those who require extensive measurements & calibration.

We're also able to develop a personalised test plan for you to suit your calibration requirements whilst maintaining fast turnaround times, to ensure that when you need your equipment calibrated, we can make it happen.

Unlike many other Calibration Service Providers, European Instruments **do not** set a minimum daily charge on our calibration jobs and offer a competitive rate. It's this transparency paired with our unmatched experience that makes us the best choice for your calibration needs.

We understand that booking calibration services can be a daunting task. This is due to the complex terminology and wide array of service specifications that need to be taken into consideration, to ensure you remain compliant with your organisations standards. However, because we're an independent organisation with highly experienced staff, we strive to help you pick out the most suitable calibration services for your individual requirements.

We strongly believe it's this approach of honesty and transparency that makes us the perfect choice for your next calibration.



# OUR VALUES

Exceptional Quality

Flexibility and Versatility

Transparency

Confidence

Credibility

Consistency



# GET IN TOUCH

If our services are something you/your organisation would be interested in. Please do not hesitate to contact us using the details below.

**Call us on:**

**01865 750375**

**OR**

**Email us at:**

**[sales@ei.co.uk](mailto:sales@ei.co.uk)**

