

# MOISTURE ANALYSER: MAXIMISING PERFORMANCE & EFFICIENCY

---

In many different industries, from food processing to manufacturing and pharmaceuticals, among others, moisture content is an important consideration. With this in mind, having a high-quality moisture analyser and knowing how to maintain as well as operate it efficiently is essential.



Moisture can impact the potency of a medication, the quality and texture of food, the density of lumber, and the weight of many manufactured goods. In industries where products are sold by weight, failing to properly monitor moisture content could cost an organisation a lot of money.

In addition to moisture analysis playing a key role in quality control, it's also an integral part of meeting regulatory requirements in fields like Pharmaceuticals. Products can fail, production can be compromised, and customers can be lost. This highlights the importance of Moisture Analysis and emphasises why it is something which must be monitored properly. Due to the significance of Moisture Analysis, it comes as no surprise that these devices are frequently present in a large number of work environments.

These devices are essentially Lab Balances with a heating element, a Moisture Analyser is used to calculate how much moisture there is in a material by testing a small sample. Moisture analysis covers a range of methods for measuring moisture content. Generally, moisture content is determined by heating the sample under controlled conditions and continually measuring the sample's change in mass over time.

In food processing, a moisture analyser can be a multi-purpose instrument. It can be used to help assess the quality of raw ingredients, test intermediate food samples, and support quality control of final food products.

# TIPS FOR GETTING THE MOST FROM A MOISTURE ANALYZER

---

**For consistently reliable results, there are some best practices we recommend for using a Moisture Analyser**

- Place the instrument on a stable surface like a fixed table. If the table has wheels, be sure they are locked in place.
- Your work station should not be near open windows, vents, or running fans.
- Minimize floor traffic as movement and vibrations can affect results. You also don't want to risk someone bumping into the work table.
- Keep your device clean to avoid cross contamination, as well as any debris that could hinder smooth operation.
- Make sure temperature and humidity in the room are kept consistent and in reasonable ranges.
- Periodic weight and temperature calibration is necessary to ensure accurate results and prevent damage to samples.
- Use the in-use cover to help protect the moisture analyser from accidental spills and scratches.
- Allow the device a chance to warm up prior to use.

Following these tips will not only promote reliably accurate results, but will also help to extend the life of your Moisture Analyser.

**Shop for Moisture Balances at European Instruments:**

<https://ei.uk/?s=moisture>