

## Definition of terms

### **Resolution:**

The resolution of a device corresponds to the shown values resp. decimal places.

Examples:

- humimeter RH5: resolution 0.1% - the moisture and temperature value is displayed in steps of 0.1%
- humimeter BM2: resolution 0.5% - the moisture and temperature value is displayed in steps of 0.5%

Please note the difference between resolution and measuring accuracy! The indicated resolution doesn't provide any information about the measuring accuracy!

### **Ex works calibration accuracy:**

The indication of factory calibration accuracy refers to the INTERNAL test equipment and test samples. All delivered devices are within the specified tolerances.

Please note the difference to the actual measuring accuracy!

### **Measuring accuracy in practice:**

The actual measuring accuracy depends on multiple factors and cannot be specified clearly. In principle, the measuring accuracy is close to the factory calibration accuracy.

The actual measuring accuracy (amongst others) is influenced by:

- surrounding conditions
- temperature discrepancy between sample and measuring device resp. conditioning time when measuring relative air humidity
- condition of the sample
  - insufficient maturity of grain
  - indistinct classification of wood chips or similar material
  - contamination of the sample
  - ecc.
- handling, e.g. correct filling weight
- condition of the measuring device

### **Factory calibration certificate:**

The factory calibration certificate is an official document confirming the compliance with factory calibration. This document also indicates the deviation to the test equipment.