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Foods

NEW

humimeter FLH

hops moisture meter

for determination of water content of loose or compressed hops, air humidity in a kiln or hops equilibrium moisture content in conditioning chamber

AUSTRIA Made in Austria

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with various available sensors for measurement of water content of loose hop cones, hops bales, air humidity in a kiln and in conditioning chamber, hops equilibrium moisture content, for long-term recording of temperature and climate data as well as for measurement of hay and straw.

Handling / measuring procedure

Switch on the instrument and connect the desired sensor - the device automatically recognises the connected sensor and provides the corresponding calibration curves. The following sensors are available: Hop cones sensor for measurement of loose hop cones, insertion probe for measurement in compressed bales, infrared sensor for non-contact temperature measurement of hops, air humidity and temperature sensor for measurement of hops equilibrium moisture content in conditioning chamber as well as for measurement of relative air humidity, e.g. in exhaust air during kiln drying.

Hop cone sensor: Fill the measuring chamber with loose hop cones and compress the material by tightening the cap. The display immediately shows water content and temperature of the material.

Insertion probe: After plugging the probe into the bale, water content and temperature can immediately be read off the display (the wrapping can be penetrated by the probe). If desired the measuring results can be saved via datalog.

Infrared sensor: Point the non-contact infrared sensor towards the material - the display immediately shows the current temperature.

Air humidity sensor: The sensor offers calibration curves for relative humidity, hops equilibrium moisture content and absolute moisture. The current temperature and humidity or water content can be read off the display and can be saved manually or automatically in adjustable intervals.

Features

- Measuring range:
  - Insertion probe and hop cones sensor: 4 to 40% water content
  - Air humidity sensor: 0 to 100% relative air humidity
  - Infrared sensor: -25 to 125°C / -13 to 257°F
- Resolution:
  - Insertion probe and hop cones sensor: 0.1% water content, 0.5°C
  - Air humidity sensor: 0.1% RH; 0.1°C
  - Infrared sensor: 0.1°C
- Operating temperature: 0 to 40°C / 32 to 104°F
- Temperature can be set to °C or °F as required
- Automatic temperature compensation
- Measurement within seconds without prior treatment of samples
- Datalog for up to 10,000 logs
- Supplier´s data management
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request
- Scope of supply: *humimeter* FLH, rubber protection cover and batteries
- **Required accessories: external sensors**
- Optional: *humimeter* USB data interface module with LogMemorizer measuring data recording and analysing software for PC, wooden case

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A wide range of other instruments and external sensors can be found at www.humimeter.com