

Foods

## *humimeter* RHL

Grain temperature & moisture meter

For grain storage or grain silo

Temperature and climate data long-term recording



78,0°F | 6,16% | 456kg/m<sup>3</sup> | -27,3td | 0,64aw | 51,9%r.H. | 14,8%abs | 100,4g/m<sup>2</sup> | 09m/s | 4,90Ug/l | 163µm | 23,2°C | 78,8°F | 6,21% | 1424 kg

## humimeter RHL grain moisture meter

For measurement of grain moisture (water content), aw value, relative humidity and dew point.

Specially developed to monitor humidity and temperature in grain stores and silos.

Available with additional sensors.



### Basic information

- Measuring range:
  - Wheat, barley, rye, triticale, maize :12 to 18% water content
  - Aw-value: 0,001 to 1
  - Relative humidity: 0 to 100 %
  - Absolute humidity: 0 to 130 g/m<sup>3</sup>
  - Dew point: -55 to +60 °C
- Resolution: 0,1% WC, 0,001 aw, 0,5 °C / °F
- Temperature can be set between °C and °F
- Automatic temperature compensation
- Hold function
- Data memory for up to 10.000 values
- Menu languages: German, English, French, Italian, Spanish, Portuguese, Czech, Polish, Hungarian, Russian, International
- Storage temperature: -20 °C to +60 °C
- Power supply: 4 x 1.5 Volt AA alkaline batteries
- Power consumption: 60 mA (with backlight)
- Unit dimensions: 249 x 75 x 30 mm
- Unit weight: 266 g (incl. batteries)
- Protection class: IP 40
- External sensors (optionally):
  - LF\_TB 120: Stainless steel insertion probe - Length: 300mm (Art.No. 12004)
  - LF\_TB 120 Special length: stainless steel insertion probe length: up to 2000 mm (Art.No. 14640)
- Scope of supply: humimeter RHL, rubber protection, user manual and batteries
- Optionally available: external sensors, plastic case, USB data interface, portable printer

### Measuring procedure and handling:

The main unit of the humimeter RHL enables the connection of different humidity sensors. With the aw-value measuring chamber it is possible to measure small sample volumes. The insertion probe can be produced in lengths between 300 and 2000 mm, depending on the customer's requirements. The standard length is 300 mm. It can be used to measure moisture even in deeper layers of the storage.

Immediately after turning on the device, the temperature and humidity values will be displayed. The measurements can be stored manually by pressing a button or via auto data logger with an adjustable time interval on the meter.

The measuring device provides curves for the following grains: wheat, barley, rye and triticale. Further sorts can be added on request. With the help of a capacitive humidity sensor you can determine the balance humidity based on the sorption isotherm.

The humimeter RHL offers as an additional option a USB interface to connect the device to a PC. The included software „Log Memorizer“ enables storage and evaluation of the measured data.



LF\_TB 120 Sensor - 300 mm  
Optional up to 2000 mm



Climate /  
Environment



Foods



Bioenergy



Material



Buildings



Paper / Board

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Any technical changes reserved. Pictures do not show possible changes that have been made on different models.

A wide range of other instruments and external sensors can be found at [www.humimeter.com](http://www.humimeter.com)