



humimeter RH1 Climate moisture meter for climatic and environmental applications



Your benefits

- Long-time stable humidity and temperature sensors
- Easy data storage at the portable moisture meter
- Analysis on PC and printer possible
- Optimal documentation of your quality
- Very quick balancing

humimeter RH1 with datalog
quick - cost saving - automatically
documented

A new powerful portable measuring instrument series
using innovative sensor technology.



technical data

The relative equilibrium moisture content and the absolute moisture of material

The relative equilibrium moisture content of a material indicates the relative moisture of ambient air counterbalancing the material. In this case the material does not absorb or release any moisture.

The absolute moisture of a material indicates the percentage of water content of a material referred to its total weight (paper, grain,...) and with some materials (e.g. wood) referred to its dry mass.

Almost all materials in our surroundings are hygroscopic. This means that they soak up moisture from the surroundings or set moisture free.

To avoid very costly mistakes due to incorrect moisture levels it is necessary to check the moisture of a material in the manufacturing and treatment process in order to be able to take suitable measures in time.

Due to its longstanding experience in this field and constant research, **Schaller GmbH** has attained the highest quality in the development and production of air humidity and material moisture meters for **professional applications**.

Our main areas are: **climate, environment, food, bioenergy, buildings, paper, board** and **various other materials**.

More than **40,000** customer-specific solutions have been designed and produced for **industry, universities** and **research institutions** all over the world.

Our technicians provide reliable support and are available to answer your questions.

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- Relative air humidity 0 to 100%, resolution 0.1%RH
- Calibration 10 to 90% $\pm 1.5\%$ rh (at 25°C)
- Temperature can be set to °C or °F as required
- Temperature -10 to +60°C, resolution 0.1°C, 14 to 140°F
- Calibration $\pm 0.3^\circ\text{C}$ (at 25°C)
- Dewpoint -55 to +60°C, resolution 0.1°C, -67 to 140°F
- Absolute air humidity 0 to 130 g/m³, resolution 0.1g/m³
- Equilibrium moisture content UGL: 2 to 30%, resolution 0.1%
- Calibration UGL 5 to 15%, accuracy $\pm 0.5\%$ (at 25°C)
- Hold function, manual saving of results
- Automatic datalog for 10.000 logs with measuring point report
- Supplier's data and batch number can be recorded
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request
- Scope of supply: *humimeter* RH1, rubber protection cover and batteries
- Optional: *humimeter* USB data interface module with LogMemorizer measuring data recording and analysing software on USB flash drive incl. USB cable for PC, printer and wooden case

Know-how obtained through decades of research and development!

