



## *humimeter* BLO online measuring system

for the determination of water content of wood chips and further materials with external sensors



### Your benefits

- Increase in efficiency of your oven of up to 5%
- Easy determination of water content and temperature of your material
- Extendable to up to 32 material types in your particular country's language
- Automatic averaging
- Additional display of material temperature

### BLO with datalog

- Ready calibrated system (standard sensor)
- Sensors specifically adapted to the material
- 2 analogue outputs 4 – 20 mA for water content and temperature
- Optional: 2 relay outputs for water content
- Optional: PC-Interface incl. software
- Display of the material temperature



[www.humimeter.com](http://www.humimeter.com)

**technical data**

The **humimeter BLO** enables a facile **online determination of the water content of wood chips** and similar materials. The wood chips sensor for the installation in a screw conveyor can easily be integrated also in existing plants.

With this online measuring system you can optimize your dryer or oven relating to the water content. This enables an efficiency improvement of your oven and accordingly a reduction of the energy consumption for drying. The water content and temperature are shown on the well-lit LC display of the analysing device. The connection to a control system can be realised by the **4-20mA analogue output**.

As the humimeter BLO for wood chips is already completely calibrated, the installation can be realised with a modicum of effort.

**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.

### humimeter BLO online measuring system

**for the determination of water content of wood chips (with standard wood chips sensor for installation in a screw conveyor) and other materials (with adapted external sensors, higher resolution and advanced temperature range)**

article no. 12089 analysing device

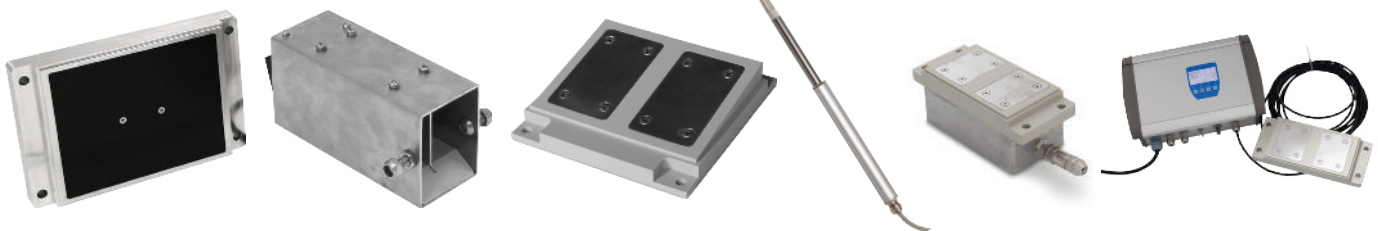
article no. 12122 wood chips sensor (standard)

for installation in a screw conveyor

- Measuring range of wood chips sensor 10 to 55% water content (represents 120% wood moisture), dependent on the type
- Resolution 0.5% water content
- Sample temperature measurement
- Automatic temperature compensation
- Temperature range for determination of water content 0 to +40°C; 32 to 104°F
- Temperature measuring range -10 to +60°C; 14 to 140°F
- Large, well-lit LC display
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request
- Casing protection class: IP54
- Power supply 24VDC (15 to 29VDC)
- Optional 115/230 volt AC 50/60 Hz possible
- 2 analogue outputs 4 – 20 mA for water content and temperature
- Optional: 2 relay outputs for water content
- Optional: PC-Interface incl. software

## Know-how obtained through decades of research and development!

To find the appropriate sensor for your application, please ask for our online questionnaire!



art. no.:12477

art. no.:12292

art. no.:12470

art. no.:10630

art. no.:12199

art. no.:12089  
art. no.:12122

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)

