

WCMT /UMT Series

WCMT-200 wood chips moisture transmitter
UMT-200 universal moisture transmitter
for determination of water content of wood chips and further materials



Wood chips moisture transmitter

- ☒ Ready calibrated system (standard sensor)
- ☒ For wood chips class P16 up to P45
- ☒ Increase in efficiency of incineration plants of 3 - 5% by regulation and monitoring of water content
- ☒ Saving of costs by process optimisation
- ☒ Also in high temperature implementation +5 to +85°C
- ☒ Analogue output water content 4-20mA
- ☒ Optional: analogue output temperature 4-20mA, display and keypad



Universal moisture transmitter

- ☒ Simple determination of water content and temperature of your material
- ☒ Raising efficiency of your plant by monitoring the water content
- ☒ Can be extended up to 32 material types in the different languages
- ☒ Simple adaptation to existing mechanical connection
- ☒ Assuring your quality



technical data

These transmitters enable the facile online determination of water content of wood chips or further materials. They can easily be integrated also in existing plants and are therefore ideal for optimizing your dryer, oven or plant relating to the water content.

This enables an efficiency improvement of your oven, a reduction of the energy consumption for drying and in general raising efficiency of your plant, which means the fabrication of a product of higher quality.

The connection to a control system can be realised by the 4-20mA analogue output. As the transmitters are 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.

WCMT wood chips moisture transmitter

for determination of water content of wood chips class P16 up to P45

article no. 12199

article no. 12234 high temperature implementation + 5 to +85°C

- ☒ Power supply 24VDC (15 to 29VDC)
- ☒ Measuring range 10 - 50% water content (represents 100% wood moisture)
- ☒ Requires close contact of material to the measuring surface of the sensor
- ☒ Analogue output water content 4-20mA
- ☒ Optional: analogue output temperature 4-20mA, display and keypad

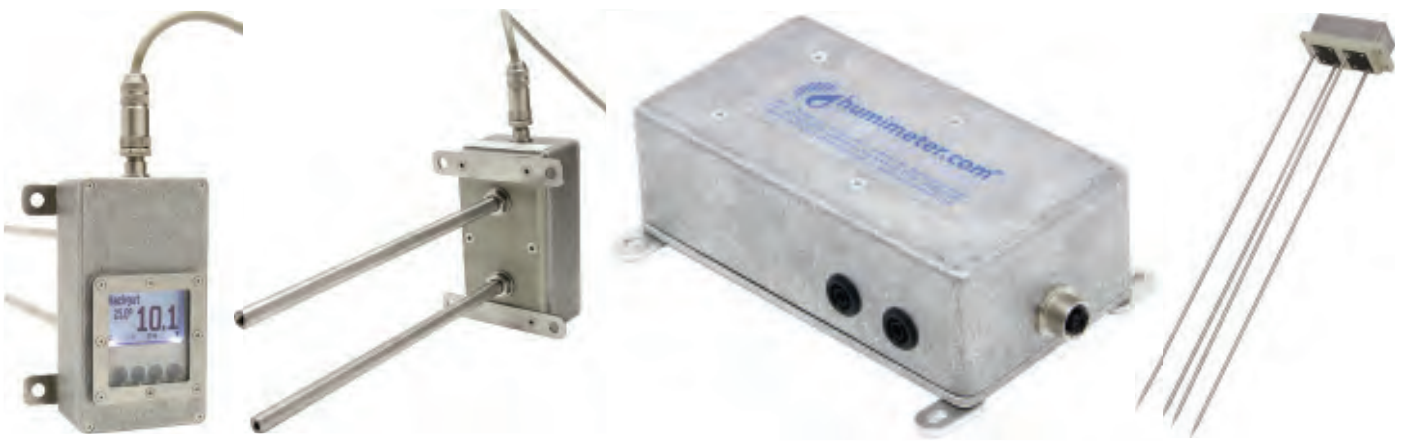
UMT universal moisture transmitter

for determination of water content of materials (with adapted sensor)

article no. 12849

- ☒ Power supply 24VDC (15 to 29VDC)
- ☒ Automatic temperature compensation
- ☒ Large, well-lit LC display
- ☒ Analogue outputs 4-20mA for water content and temperature

Know-how obtained through decades of research and development!



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