humimeter.com®

Humidity transmitter LF-TD

Humidity transmitter for applications in laboratory and climate control, drying technology, wood processing industry, food industry, building industry, agriculture, printing and paper industry, animal feed industry, biotechnology and pharmaceutical industry

YOUR BENEFITS:

- Long durability thanks to a strong industrial design
- High long-term stability and repeat accuracy
- Little time and effort for installation
- Standard outputs 4 to 20 mA for moisture and temperature with all LF-TD types
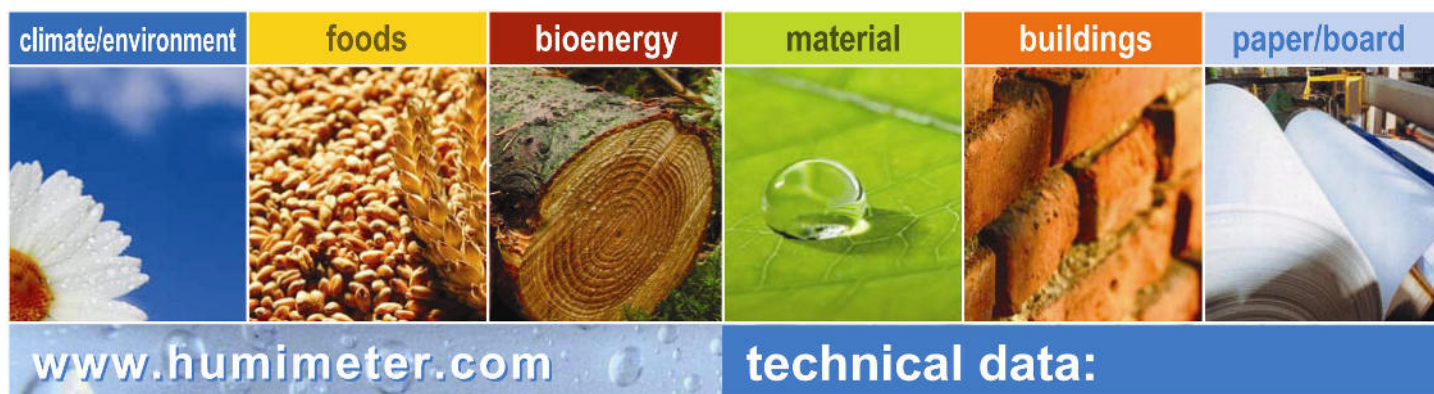- USB or Ethernet outputs with LF-TD, LF-TD-E, LF-TD-U and LF-TD-ER types

Humidity and temperature transmitter

quick – stable – robust

- relative air humidity 0 to 100%

Optionally selectable moisture measuring units:
- dew point -55 to +60°C
- absolute air humidity 0 to 130 g/m³
- material equilibrium moisture content

Brand quality from Austria

Humidity, material and temperature transmitter LF-TD

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Relative equilibrium moisture content and absolute material moisture

The relative equilibrium moisture content of a material indicates the relative moisture of ambient air equilibrating the material. At that moisture level the material does not absorb or release any moisture.

The absolute material moisture indicates the percentage of water content of a material referred to its total weight (measurement of paper, grain, ...) resp. referred to its dry mass (measurement of wood, …).

Almost every material in our surroundings is hygroscopic. This means that the material soaks up moisture from the surroundings or sets it 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, **Messtechnik 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 and university institutions all over the world so far.

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

LF-TD 60	digital humidity and temperature transmitter temperature range -20 to +60°C plastic tube 12 mm diameter, 100 mm length	article no. 12609
LF-TD 90	digital humidity and temperature transmitter temperature range -20 to +90°C stainless steel tube 12 mm diameter, 125 mm length	article no. 12665
LF-TD 120	digital humidity and temperature transmitter temperature range -20 to +120°C stainless steel tube 12 mm diameter, 500 mm length	article no. 12655
LF-TD 150	digital humidity and temperature transmitter temperature range -20 to +150°C stainless steel tube 12 mm diameter, 750 mm length	article no. 12667
LF-TD 180	digital humidity and temperature transmitter temperature range -20 to +180°C sensor head, 1 meter cable	article no. 12938
LF-TD-E	digital humidity and temperature transmitter with Ethernet interface temperature range -20 to +60°C plastic tube 12 mm diameter, 100 mm length	article no. 13082
LF-TD-U	digital humidity and temperature transmitter with USB interface temperature range -20 to +60°C plastic tube 12 mm diameter, 100 mm length	article no. 13083
LF-TD-ER	digital humidity and temperature transmitter with Ethernet interface temperature range -20 to +90°C stainless steel tube 12 mm diameter, 400 mm length	article no. 13110
Option	display	art. 12662
Option	relay output for moisture	art. 12806
Option	RS232 interface	art. 12807
Option	USB interface	art. 12808
Option	Bluetooth (together with USB interface 12808)	art. 12627
Option	Profinet interface	art. 12809
Option	Modbus interface	art. 12811
Option	Interface for LF-TD remote control	art. 12813

Know-how obtained through decades of research and development!