HUMIDITY TRANSMITTER LF

QUICK - STABLE - ROBUST

Humidity transmitter for applications in laboratory and climate control, drying technology, wood pro-cessing industry, food industry, building industry, agriculture, printing and paper industry, ani-mal feed industry, biotechnology and pharmaceutical industry

relative air humidity 0 ..... 100%

Optionally selectable moisture indicators

dew point -55 to +60°C

absolute air humidity 0 to 130 g/m³

material equilibrium moisture content

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 types
- USB und ethernet outputs available in different types

TECHNICAL SPECIFICATIONS

LF 60 DIGITAL HUMIDITY TEMPERATURE TRANSMITTER
Temperature range -20°C to +60°C

- calibration +/- 0,3°C (+10 to +60°C)
- calibration +/- 2% (10 to 90%)
- plastic tube Ø 12 x 100 mm

LF 90 DIGITAL HUMIDITY TEMPERATURE TRANSMITTER
Temperature range -20°C to +90°C

- calibration +/- 0,3°C (+10 to +60°C)
- calibration +/- 2% (10 to 90%)
- stainless steel tube Ø 12 x 125 mm

LF 120 DIGITAL HUMIDITY TEMPERATURE TRANSMITTER
Temperature range -20°C to +120°C

- calibration +/- 0,3°C (+10 to +60°C)
- calibration +/- 2% (10 to 90%)
- stainless steel tube Ø 12 x 500 mm

LF 150 DIGITAL HUMIDITY TEMPERATURE TRANSMITTER
Temperature range -20°C to +150°C

- calibration +/- 0,3°C (+10 to +60°C)
- calibration +/- 2% (10 to 90%)
- stainless steel tube Ø12 x 750 mm

LF 180 DIGITAL HUMIDITY TEMPERATURE TRANSMITTER
Temperature range -20°C to +180°C

- calibration +/- 0,3°C (+10 to +60°C)
- calibration +/- 2% (10 to 90%)
- sensor head 1 meter cable, incl. stainless steel sinter sensor cap
- sensor head Ø 12 mm

LF-ETHERNET 60 DIGITAL HUMIDITY TEMPERATURE TRANSMITTER with ethernet interface
Temperature range -20°C to +60°C

- calibration +/- 0,3°C (+10 to +60°C),
- calibration +/- 2% (10 to 90%)
- output of moisture and temperature with ethernet (RJ45 socket)
- power supply 5VDC 300mA with USB Mini B socket
- protection class of electronic housing IP 65
- plastic tube Ø 12 x 100 mm

LF-USB 60 DIGITAL HUMIDITY TEMPERATURE TRANSMITTER with USB interface
Temperature range -20°C to +60°C

- plastic sensor tube Ø 12 x 100 mm with filter

LF-ETHERNET 90 DIGITAL HUMIDITY TEMPERATURE TRANSMITTER mit Ethernet Schnittstelle
Temperature range -20°C to +90°C

- stainless steel sensor tube Ø 12 x 400 mm

OPTIONS

- Display
- relay output for moisture
- RS232 interface
- USB interface

- Bluetooth (together with USB interface)
- Ethernet
- Profinet interface
- Modbus interface

EXTENSIONS / ACCESSORIES

- Calibration equipment for instrument for probe
- Certified calibration ampoules - set of 5, 50% r.h.
- Certified calibration ampoules - set of 5, 2 x 35% rel.h., 1 x 50% rel.h., 2 x 80% rel.h.
- Plastic sensor cap, white, with or without filter
- Stainless steel sinter sensor cap

- Drip-catcher for LF-T transmitter
- Bronze sinter sensor cap
- screening / calibration of the LF-Series
- Factory calibration certificate Protocol documenting the adjustment at delivery for air humidity meters