

Climate / Environment

LF-TD 180

Air humidity, material moisture and temperature transmitter with remote probe for the temperature range of -20 °C to $+180\text{ °C}$, with 4 – 20 mA current outputs



78,0 °F | 6,16% | 456 kg/m³ | -27,3 td | 0,64 aw | 51,9% r.H. | 14,8% abs | 100,4 g/m² | 09 m/s | 4,90 Ugl | 163 μm | 23,2 °C | 78,8 °F | 6,21% | 1424 kg

We develop measuring solutions tailored to the individual demands of our customers

LF-TD 180

Robust industrial measuring transducer for humidity, temperature, dew point and absolute moisture, with extended temperature range and remote sensor head



Your benefits:

- Long service life thanks to robust industrial design
- High long-term stability of the sensors
- Low time expenditure for assembly
- Standard outputs 4 – 20 mA for moisture and temperature
- Customer-specific versions possible

Features:

Measuring range:

- Relative air humidity: 0 to 100 %
- Temperature: -20 °C to +180 °C

Output:

- Relative air humidity: 4 – 20 mA
- Scaling air humidity: 0 to 100 %
- Temperature: 4 – 20 mA
- Scaling temperature: -20 °C to +180 °C
- Working resistance: < 500 Ohm (UB 24V)

Accuracy factory calibration:

- Relative air humidity: 10 % to 90 %: ± 2.0 %
- Temperature: +10 °C to +60 °C: ± 0.3 °C

Operating temperature:

- Sensor head: -20 °C to +180 °C
- Electronics: -20 °C to +85 °C

Power supply:

- 24 VDC (15 to 29 VDC)

Current consumption:

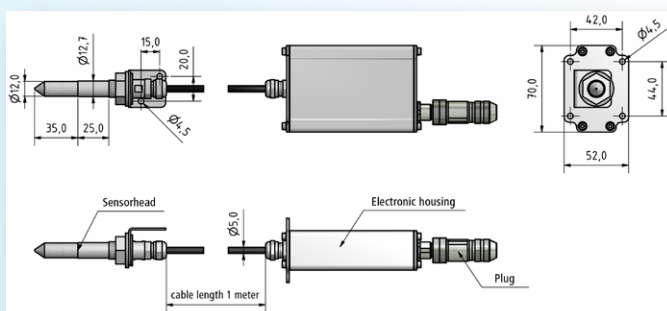
- approx. 18 mA (without output, display, bus systems)

Construction:

- Material sensor head: stainless steel
- Material sensor cap: stainless steel sinter
- Material electronics housing: anodised aluminium
- Protection class electronics housing: IP 65
- Electric connection: sensor plug incl. 2 m cable

Optional accessories:

- Interfaces: RS232, Profinet, Modbus or USB
- Display
- Factory calibration certificate


 Climate /
 Environment


Foods



Bioenergy



Material



Buildings



Paper / Board

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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