HUMIDITY

Hygro-ThermoTransmitter

Part number: 1.1005.50.xxx
The data are output as electrical analogue signals. Humidity value is displayed additionally.
The transmitters consist of a hair humidity element and a Pt 100 resistance thermometer.
Sturdy construction, essential external parts are made of stainless steel. For outdoor installation we recommend the use of the weather- and thermal radiation shield order no. 1.1025.51.000.

Specification

Part number: 1.1005.50.xxx

Temperature	
Meas. element	Pt 100 acc. to DIN IEC 60751 1/3 class B
Rel. Humidity	
Measuring range	10 ... 100 % rel. h.
Graduation	1 % rel. h.
Accuracy	± 3% rel. h. (@ 20 ... 100 % rel. h. and room temperature)
Meas. element	human hairs
General	
Ambient temp.	-35 ... +70 °C
Scale length	94 mm (90 °)
Length	350 mm
Stem	22 mm
Stem length	250 mm
Protection	IP 65, case
Weight	0.9 kg

Versions

As per 1.1005.50.xxx, but:

Product number 1.1005.50.015

Rel. Humidity	
Electr. output	0 ... 200
General	
Electr. connection	Lemosa connector

Product number 1.1005.50.515

Rel. Humidity	
Electr. output	0 ... 200
General	
Electr. connection	3 m cable

Accessories

Product	Product name	Brief description
	Wind Protection 1.0509.85.006	Gauze- and wind protection protects the humidity measuring element from coarse dust (> 0.32 mm) and error measurements in case of wind velocities > 3 m/s. Suitable for hygro transmitter 1.1000.50.xxx.

General	
Length	200 mm
Diameter	24 mm
Mesh aperture	0,32 mm
Material	Niro, Brass
Weight	0.05 kg

Product	Product name	Brief description
	Weather and Thermal Radiation Shield 1.1025.51.000	Protective covering for the hygro-transmitter 1.1000.50.xxx for outdoor installation. Helps to prevent atmospheric influences and radiation errors from influencing the measured results.

General	
Mounting	pin Ø 22 x 27 mm
Material	Al, galvanised and varnished
Dimension	Ø 170 x 450 mm
Weight	2.2 kg

SCAN for more information:

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