



1.1005.54.xxx

1.1005.54.241

## Hygro-Thermo Transmitter compact

Instrument designed for measurement of temperature and air humidity. The data are output as electrical analogue signals. The transmitters consist of a capacitive humidity element and a Pt 100 resistance thermometer. For mounting out-of-doors we recommend the use of the weather- and thermal radiation shield Order-No.. 1.1025.55.xxx. (see page 36)

### Protective basket with gauze

### Protective basket made of metal

<b>1.1005.54.xxx</b>	Electr. output	
	Humidity	Temperature
<b>.000</b>	0 ... 1 V	Pt 100 (± 0,1 K)
<b>.241</b>	4 ... 20 mA	4 ... 20 mA (± 0,3 K)
<b>.161</b>	0 ... 10 V	0 ... 10 V (± 0,2 K)
	Measuring range	0 ... 100% rel. h. - 30 ... + 70 °C
	Accuracy	± 2 % rel. F.
	Temp. Meas. elem.	Pt 100, acc. to IEC 751 1/3 class B
	Operating voltage	9 - 30 V DC (...000) 12 - 30 V DC (...241) 24 V DC (...161)
	Protection	IP 30 for sensor IP 65 for electronic
	Cable	5 m long
	Dimension	Ø 20 x 115 mm
	Weight	0,45 kg

**1.1005.54.901** Is put on the sensor and protects the measuring element from coarse dust.

**1.1005.54.902** Is put on the sensor and protects the measuring element from high wind speeds (> 5 m/s) and coarse dust. Necessary for use in exposed areas (e.g. sea climate).

## Weather and Radiation Protection Case, compact

Protective case for the preceding temperature sensor compact for installation out-of-doors. This case essentially eliminates the influence of weather and radiation errors which affect the measurement result.

1.1025.55.00x  
.10x  
.xx0  
.xx1

without Ventilator  
with Ventilator  
Clamping

Material  
Mounting  
Cable  
Dimension  
Weight

12 V DC; 2,3 W  
Ø 35 ... 50 mm  
Ø 55 ... 60 mm

syn. laminations, white  
non-corroding holder  
5 m, for model ...10x  
Ø 120 x 270/290 mm  
0,75 kg

