Compressed air RH+T+Tdp sensor with 0-10V output



code: T0211P

Humidity, temperature transmitter. T+RH probe from hard anodized duralumin for compressed air up to 25 bars. Outdoor, indoor use. Humidity, temperature probe on a cable. Measured values are also converted to other humidity interpretation: dew point temperature, absolute humidity, specific humidity, mixing ratio, specific enthalpy.

The device is supplied with T+RH probe with 1 meter cable.

NEW - AC Power - now also powered from 24 Vac !

Technical data

TEMPERATURE SENSOR	
Measuring range	-30 to +105 °C
Accuracy	±0.4 °C
Resolution	0.1 °C
HUMIDITY SENSOR	
Measuring range	0 to 100 % RH
Accuracy	±2.5 % RH from 5 to 95 % at 23 °C
Resolution	0.1% RH
DEW POINT	
Measuring range	-60 to +80 °C
Accuracy	±1.5°C for dew point temperature +10°C and higher at ambient temperature +25°C ±2.0°C for dew point temperature 0°C at ambient temperature +25°C ±3.0°C for dew point temperature -10°C at ambient temperature +25°C ±6.0°C for dew point temperature -20°C at ambient temperature +25°C
Resolution	0.1 °C
MEASURING THE MOISTURE OF COMPRESSED AIR	
Measuring range	up to 25 bars
Air flow velocity	up to 25 m/s at a pressure of 1 bar (1m/s at a pressure of 25 bar)
GENERAL TECHNICAL DATA	
Operating temperature	-30 to +80 °C
Channels	1x connectable temperature+humidity probe
Counted values	dew point, absolute humidity, specific humidity, mixing ratio, specific enthalpy
Output	0 - 10 V
Range of humidity sensor temperature compensation	all temperature range
Configuration of output	user adjustable from PC; measured range + value
Power	15-30 Vdc; 24 Vac
Protection class	IP65 electronics; IP40 sensors

Dimensions	88,5 x 114 x 39,5 mm; length/diameter of external probe 88/18 mm
External probe cable length	1 meter
Weight	approx. 210 g
Warranty	3 years