Industrial temperature, humidity, bar. pressure transmitter - RS232 output



code: T7311

Temperature, humidity, atmospheric pressure transmitter. 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. Built-in pressure sensor.

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

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 at ambient temperature T <25 °C and RH >30 %
Resolution	0.1 °C
ATMOSPHERIC PRESSURE SENSOR SENSOR	
Measuring range	600 to 1100 hPa
Accuracy	±1.3 hPa at 23 °C from 800 to 1100 hPa
Resolution	0.1 hPa
GENERAL TECHNICAL DATA	
Operating temperature	-30 to +80 °C
Channels	internal atmospheric pressure sensor, 1x connectable temperature+humidity probe
Counted values	dew point, absolute humidity, specific humidity, mixing ratio, specific enthalpy
Output	RS232
Range of humidity sensor temperature compensation	all temperature range
Available temperature units	degrees Celsius, degrees Fahrenheit
Communication protocol	ModBus RTU and Advantech ADAM compatible protocol

Power	9-30 Vdc
Protection class	IP54 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