Industrial temperature, humidity, barometric pressure transmitter - RS232 output. Weather sensor for environment monitoring with one of the best barometers.

code: T7310



Ambient thermometer hygrometer barometer. Outdoor, indoor use.

Built-in relative humidity, temperature, atmospheric pressure sensors. Measured values are also converted to other humidity interpretation: dew point temperature, absolute humidity, specific humidity, mixing ratio, specific enthalpy.

Technical data

TEMPERATURE SENSOR	
Measuring range	-30 to +80 °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 sensor of temperature, humidity sensor and atmospheric pressure
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 170 x 39,5 mm; stem length 75 mm
Weight	approx. 150 g
Warranty	3 years