

# Transmetteur de température, humidité relative, pression atmosphérique - sortie RS385

code: T7310



Température ambiante, humidité, transmetteur de pression atmosphérique. Utilisation extérieure et intérieure.  
Capteurs intégrés d'humidité relative, de température et de pression atmosphérique. Les valeurs mesurées sont également converties en une autre interprétation de l'humidité: température du point de rosée, humidité absolue, humidité spécifique, rapport de mélange, enthalpie spécifique.

## Données techniques

Relative humidity range	0 to 100%
Accuracy of relative humidity measurement	±2.5% relative humidity from 5 to 95% at 23°C
Accuracy of temperature output	±0.4°C
Available temperature units	degrees Celsius, Fahrenheit
Accuracy and range of dew point temperature output - for more details see graphs	±1.5°C at ambient temperature T < 25°C and RH > 30% range -60 to +80 °C
Accuracy and range of absolute humidity output	±1.5g/m <sup>3</sup> at ambient temperature T < 25°C range 0 to 400 g/m <sup>3</sup>
Accuracy and range of specific humidity output	±2g/kg at ambient temperature T < 35°C range 0 to 550 g/kg
Accuracy and range of mixing ratio output	±2g/kg at ambient temperature T < 35°C range 0 to 995 g/kg
Accuracy and range of specific enthalpy output	±3kJ/kg at ambient temperature T < 25°C range: 0 to 995 kJ/kg
Maximum measuring pressure range	600 to 1100hPa
Accuracy of pressure measurement	±(1,3hPa+0.06% from adjusted output span) at 23°C from 800 to 1100hPa
Available pressure units	hPa, kPa, mbar, mmHg, inHg, inH <sub>2</sub> O, PSI, oz/in <sup>2</sup>
Temperature operating range	-30 to +80°C
Temperature operating range of LCD display	readable to operating temperature +70°C, it is recommended to switch OFF the LCD over +70°C
Temperature compensation of the humidity sensor	all temperature range
Communication protocol	ModBus RTU and Advantech ADAM compatible protocol
Communication speed	110 to 115200 Bd
Filtering ability of sensor cover	0.025mm - filter with stainless steel mesh
Protection of the case with electronics	IP54 electronics, IP40 sensors
Power	9-30Vdc, current consumption approximately 6mA
Dimensions	88.5 x 170 x 39.5 mm (W x H x D), stem length 75 mm
Weight	approximately 230g

Warranty	3 years
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