

Temperature and humidity outdoor, indoor probe with 0-10V output

code: T0210



Ambient temperature, relative humidity transmitter. Outdoor, indoor use. Built-in relative humidity, temperature sensors. Measured values are also converted to other humidity interpretation: dew point temperature, absolute humidity, specific humidity, mixing ratio, specific enthalpy.

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

Technical data

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 $T < 25^{\circ}\text{C}$ and $\text{RH} > 30\%$ range -60 to +80 °C
Accuracy and range of absolute humidity output	±1.5g/m ³ at ambient temperature $T < 25^{\circ}\text{C}$ range 0 to 400 g/m ³
Accuracy and range of specific humidity output	±2g/kg at ambient temperature $T < 35^{\circ}\text{C}$ range 0 to 550 g/kg
Accuracy and range of mixing ratio output	±2g/kg at ambient temperature $T < 35^{\circ}\text{C}$ range 0 to 995 g/kg
Accuracy and range of specific enthalpy output	±3kJ/kg at ambient temperature $T < 25^{\circ}\text{C}$ range: 0 to 995 kJ/kg
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
Range of humidity sensor temperature compensation	all temperature range
Voltage outputs	0-10V, outputs are not galvanic isolated - have common ground
Configuration of outputs and output range	user adjustable from the PC
Filtering ability of sensor cover	0.025mm - filter with stainless steel mesh
Protection of the case with electronics	IP65 electronics, IP40 sensors
Power	15-30Vdc, maximum consumption 20mA; 24 Vac
Dimensions	88.5 x 170 x 39.5 mm (W x H x D), stem length 75 mm
Weight	approximately 150g
Warranty	3 years