Intrinsically safe humidity and temperature transmitter with 4-20mA output



code: T3110Ex

ATEX certified relative humidity temperature 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.

ATEX certification for use in potentially explosive environments.

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
ATEX CERTIFICATION	
Certificate	FTZÚ 13 ATEX 0189X
Marking	EX II 3G Ex ic IIC T6 Gc, EX II 3D Ex ic IIIB T85°C Dc
GENERAL TECHNICAL DATA	
Operating temperature	-30 to +60 °C
Channels	internal temperature and humidity sensor
Counted values	dew point, absolute humidity, specific humidity, mixing ratio, specific enthalpy
Output	4-20 mA, galvanic isolated
Range of humidity sensor temperature compensation	all temperature range
Configuration of output	user adjustable from PC; measured range + value
Power	9-30 Vdc

Protection class	IP65 electronics; IP40 sensors
Dimensions	88,5 x 170 x 39,5 mm; stem length 75 mm
Weight	approx. 150 g
Warranty	3 years