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



code: T3110Ex

ATEX certified relative humidity temperature transmitter (Rated for Gas and Dust). 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.

Now rated for Gas and Dust

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