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



code: T3111Ex

ATEX certified humidity and temperature transmitter. Use in potentially explosive atmosphere. Outdoor, indoor use.
Relative humidity, temperature sensors at probe on the cable. 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.

The device is supplied with T+RH probe with 1 meter cable.

Technical data

TEMPERATURE SENSOR	
Measuring range	-30 to +105 °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	1x connectable temperature+humidity probe
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 145 x 39,5 mm; length/diameter of external probe 88/18 mm
External probe cable length	1 meter
Weight	approx. 150 g
Warranty	3 years