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




code: T3111Ex-4

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 4 meters cable.

## Technical data

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| 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 |

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| 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 | 4 meters |
| Weight | approx. 150 g |
| Warranty | 3 years |