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



code: T3113Ex

ATEX certified humidity and temperature transmitter. Use in potentially explosive atmosphere. Duct mount.
Relative humidity, temperature sensors at 150mm stem. 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

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|---|---|
| TEMPERATURE SENSOR | |
| Measuring range | -30 to +125 °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 |

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|---|---|
| Protection class | IP65 electronics; IP40 sensors |
| Dimensions | 88,5 x 250 x 39,5 mm; stem length 150 mm |
| Weight | approx. 150 g |
| Warranty | 3 years |