

# 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

|   |  |
|---|--|
| 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   |
| 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 250 x 39,5 mm; stem length 150 mm |
| Weight           | approx. 150 g                            |
| Warranty         | 3 years                                  |