

## Temperature and humidity duct probe with 0-10V output

code: T0213



Humidity, temperature transmitter. Outdoor, indoor use. 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.

**NEW - AC Power - now also powered from 24 Vac !**

### 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                                                                           |
| GENERAL TECHNICAL DATA                            |                                                                                  |
| Operating temperature                             | -30 to +80 °C                                                                    |
| Channels                                          | internal temperature and humidity sensor                                         |
| Counted values                                    | dew point, absolute humidity, specific humidity, mixing ratio, specific enthalpy |
| Output                                            | 0 - 10 V                                                                         |
| Range of humidity sensor temperature compensation | all temperature range                                                            |
| Configuration of output                           | user adjustable from PC; measured range + value                                  |
| Power                                             | 15-30 Vdc; 24 Vac                                                                |
| 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                                                                          |