TECHNICAL FEATURES

Temperature sensor

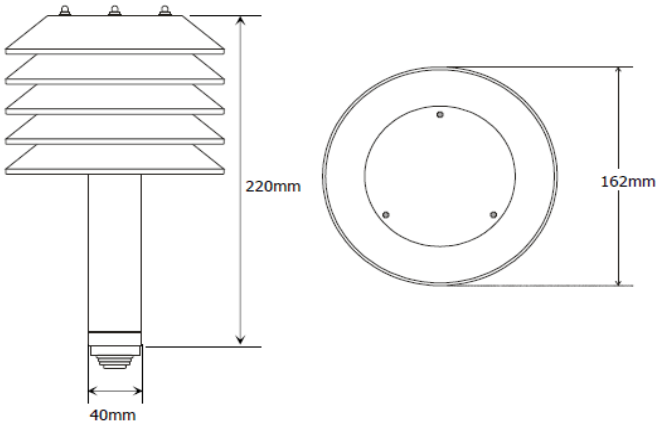
- ✓ Type of sensor: platinum PT100 resistance;
- ✓ Typical range: from -40 to +60°C;
- ✓ Sensitivity: 0.01°C;
- ✓ Accuracy: +/- 0.1°C;
- ✓ Output signal: Pt100, 4-20 mA;
- ✓ Response time: <8 seconds;
- ✓ Power supply: 10.8-30 VDC;
- ✓ Consumption: <0.1 W;
- ✓ Operating conditions: from -50 to +80°C;
- ✓ Material: body in aluminium, stainless steel bucket;
- ✓ Weight: 680 g.

Humidity sensor

- ✓ Type of sensor: capacitive;
- ✓ Typical range: 0-100%Rh;
- ✓ Sensitivity: 0.1%;
- ✓ Accuracy: +/-1% F.S.;
- ✓ Output signal: 0-1 VDC, 4-20 mA;
- ✓ Response time: <8 seconds;
- ✓ Power supply: 10.8-30 VDC;
- ✓ Consumption:<0.1 W;
- ✓ Operating conditions: from -50 to +80°C.

CE product compliant with European directives

The combined Air Temperature and Humidity sensor UTA, consists of a Platinum Pt100 thermal resistance (in 100 Ω to 0°C), sensitive to the variations of temperature pursuant DIN 437601/3DIN regulation. The sensor is protected against direct sun light and UV radiations by a series of shields placed to ensure natural ventilation.
Their special reflective white color cancels the heating effect on the sensor, ensuring maximum precision.
Sensor for measuring relative air humidity at low power consumption (<0.1 W), made up of a thin film that changes capacitance according to air humidity.
Converted into an electrical signal normalized in current or voltage, the variation is linear and follows exactly the relative humidity.



DIMENSIONS	
Total height	220 mm
Total width	162 mm

We reserve the right to carry out modifications to our products and their specifications