

Technical Specification

Temperature & Humidity Sensor

- Level of measurement: 3m above the land surface
- RH measurement range: 0 to 100%
- RH measurement accuracy at 25°C: $\pm 5\%$
- RH Operating Temperature range: 0°C to +50°C
- Ta measurement range: 0°C to +50°C
- Ta measurement accuracy at 25°C: $\pm 0.4^\circ\text{C}$
- Ta measurement resolution: 0.002°C
- Housing Classification: IP67
- A naturally aspirated radiation shield would be provided with the sensor



Radiation Shield

- Sensor Types: Accommodates temperature and humidity sensors up to 26 mm (1 in) diameter
- Radiation Error: 1080 W/m² intensity- Dependent on wind speed
- 0.4 °C (0.7 °F) RMS @ 3 m/s (6.7 mph)
- 0.7 °C (1.3 °F) RMS @ 2 m/s (4.5 mph)
- 1.5 °C (2.7 °F) RMS @ 1 m/s (2.2 mph).

