

## Air Temp/Relative Humidity SSI P/N: 57050113



The Relative Humidity / Air Temperature sensor determines air temperature and the level of humidity relative to the ambient temperature. Air temperature and moisture values are a critical piece to any weather station, so they are standard on nearly all RWIS sites.

### Features:

- Combines a high-accuracy humidity sensor and temperature sensor into one compact unit
- Constructed of a high reflective, low thermal, conductivity weather resistant material
- The multi-plate radiation shield protects temperature and relative humidity from error producing solar radiation and precipitation

### Performance Specifications:

- Temperature range -50° C to +50° C (-50° to +150° F)
- Humidity range 0 to 100% RH
- Accuracy Temperature  $\pm 0.3^\circ$  C at 0° C
- Accuracy Humidity  $\pm 2\%$  RH

**Specifications:**

**Relative Humidity**

Measuring Range 0 to 100% relative humidity  
Humidity Accuracy  $\pm 2\%$  relative humidity at 70°F  
Measurement method Capacitive Polymer  
Output 4-20 mA

**Air Temperature Sensor**

Temperature range -45.6° C to +65.6 (-50° to +150° F)  
Sensor element accuracy  $\pm 0.3^\circ$  C at 0° C ,  $\pm 0.4^\circ$ C from -45.6 ° to +65.6 °C

**Weather and Thermal Radiation Shield**

Material UV stabilized white thermoplastic plates  
Cover Treatment Powder Coated  
Dimensions 13 cm (5.1 in) diameter x 26 cm (10.2 in) high  
Mounting fits vertical pipe 25-50 mm (1-2 in) diameter

**Physical**

Net weight 0.7 kg (1.5 lb)  
Power Requirement 10-28 VDC, 20 mA

**DISTRIBUTED BY:**



**ATT Systems (S'pore) Pte Ltd**

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