



## Humidity & Temperature Probe

### S9748Z

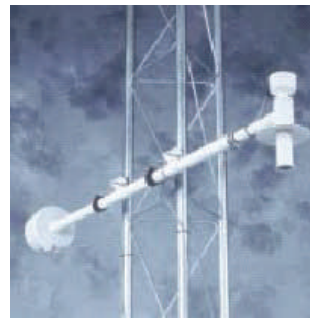
#### TEMPERATURE PROBE

This Probe is a platinum resistance thermometer. The relationship between temperature and resistance is approximately linear. The ZENO® / WEATHERPAK® linearizes this resistance for a very precise and repeatable temperature reading.



#### HUMIDITY PROBE

This Humidity Probe has a proven track record for reliability and accuracy with thousands of units in daily use under diverse climatic conditions around the world. The probe combines advanced microprocessor and ASIC technology into a well proven, accurate, and durable humidity sensor. The probe offers true, 100% interchangeability, and can be replaced in seconds without any calibration or loss of accuracy. A non-volatile memory retains the calibration data, sensor characteristics, serial number, etc. The probe is temperature compensated, with a low heat absorption color, and has long term stability of < 1% RH/year. Accurate measurements are recorded from 0 to 100% RH.





## Technical Specifications

**S9748Z**

### TEMPERATURE PROBE

Operating Range: -40°C to +60°C  
Accuracy: +/- 0.3°

### HUMIDITY PROBE

Operating Range: -40°C to +60°C  
Output Signals: 0 to 1 VDC = 0 to 100% RH  
(linear)  
Accuracy: +/- 1% RH from 0 to 100%  
RH (at 20°C to 25°C)  
Repeatability: +/- 0.1% RH