

WE600 Humidity Sensor WE700 Temperature Sensor WE770 Solar Shield



Description

The Global Water Humidity Sensor is a precise, durable unit. Humidity sensors are composed of a solid state capacitive element with a linear amplifier. The humidity sensor output is 4-20 mA with a three wire configuration.

The Global Water Temperature Sensor is a high quality, rugged instrument, precision RTD calibrated to US National Standards. The temperature sensor output is 4-20 mA with a two wire configuration.

Each sensor is mounted on 25' of marine grade cable, with lengths up to 500' available upon request. The electronics are completely encapsulated in marine grade epoxy within a stainless steel housing.

The Global Water Solar Shield is a ventilated sun shield, with high reflectiveness, low heat retention, and low thermoconductivity. The unit is designed to protect the Global Water Humidity and Temperature sensors from direct sunlight that may affect the sensor's 4-20 mA output.

Specifications

Humidity Sensor

Type: Capacitance
Output: 4-20 mA
Range: 0 to 100% RH
Accuracy: $\pm 2\%$ RH
Operating Voltage: 10-36 VDC
Current Draw: 3mA plus sensor output
Warm Up Time: 3 seconds minimum
Operating Temp: -40° to +55°C
Sensor Size: 1 1/2" diameter x 7"
Weight: 1/2 lb.

Temperature Sensor

Type: Precision RTD
Output: 4-20 mA
Range: -50°C to +50°C
Accuracy: $\pm 0.2^\circ\text{F}$ or $\pm 0.1^\circ\text{C}$
Operating Voltage: 10-36 VDC
Current Draw: Same as sensor output
Warm Up Time: 5 seconds minimum
Operating Temp: -50° to +100°C
Sensor Size: 3/4" diameter x 4 1/2"
Weight: 1/2 lb.

Solar Shield

Size: 4" diameter x 8 1/2"
Weight: 1 lb.

Options and Accessories

WE600 - Humidity Sensor

WE700 - Temperature Sensor

WE770 - Solar Shield

WQEXC - Extra Cable, up to 500 feet per sensor
Cable length is measured from end of cable to bottom of sensor.

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