



TEXAS WEATHER INSTRUMENTS INC.

Manufacturer of Digital Weather Stations

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1-Wire Specifications

WINDSENSOR

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Size: 21" wide, 12" tall, 4" deep, 20' cable w/RJ-11 connector

Temperature range: -40 to +120 degrees F

Wind direction: 16 points

Wind speed: 1 to 200 mph $\pm 1\%$

BAROMETRIC PRESSURE

Size: 2.3" wide, 2" tall, 1.7" deep, 12' cable w/RJ-11 connector

Temperature range: -40 to +120 degrees F

Pressure range: 28 to 34 inches Hg $\pm 2\%$

Pressure resolution 0.01 inches Hg

Pressure accuracy: ± 0.03 at 75 degrees F

HUMIDITY/TEMPERATURE

Size: 2.3" wide, 1" tall, 1.7" deep, 20' cable w/RJ-11 connector

Temperature range: -40 to +120 degrees F,

Temperature accuracy (-10 to +85 deg. C) 1 degree F

Humidity range: 0 to 100% inches Hg $\pm 3\%$

LEAF WETNESS SENSOR

Size: 15" long x 4" x 4.5", Weight: 17oz., Cable Length: 20 feet

Temperature operating range: 32 to +120 degrees F,

Sensor: PCB with gold plated grid

Input pull up: 470 Kohms

LIGHTNING SENSOR

Size: 12" long x 11" tall x 3" wide, 20' cable w/RJ-11 connector

RAIN COLLECTOR

Size: 7.7" wide, 7.5" tall, 15.5" deep, Receiving Orifice Diameter 6.00"

Temperature Operating range: 32 to +120 degrees F, Temperature Limits -50F^o to +130F^o.

Resolution 0.01 inches Accuracy: $\pm 1\%$ @ 1" per hour