

## WIND SPEED (ANEMOMETER)

**Range:** 0 - 150 mph.; 0 - 67 meters per second; 0 - 240 Kilometers per hour; 0 - 130 Knots.

**Resolution:** 1.0 unit.

**Accuracy:**  $\pm 2\%$  of full scale.

## WIND DIRECTION

**Range:** Oracle Display has 16-point wind rose, current direction by bright LED, and direction variation by dimmer LED's. Computer interface gives reading in degrees, 360°=North, 090°=East.

## TEMPERATURE- Outside

**Range:** -66° to +166° F; -54° to +74° C.

**Accuracy:**  $\pm 1^\circ$  F;  $\pm 0.5^\circ$  C.

## TEMPERATURE- Inside

**Range:** 32° to +122° F; 0° to +50° C.

**Accuracy:**  $\pm 1.0^\circ$  F;  $\pm 0.5^\circ$  C.

## RELATIVE HUMIDITY

**Range:** 0 to 100 % R.H.

**Accuracy:**  $\pm 2\%$  at 25° C. Temperature compensated from -40° to 85°C

## DEW POINT

**Range:** -40° to +140° F.

**Accuracy:**  $\pm 2^\circ$  F,  $\pm 1.0^\circ$  C.

## TEMPERATURE/HEAT INDEX

**Range:** To 160° F, 71°C.

**Accuracy:**  $\pm 2.0^\circ$ ,  $\pm 1.0^\circ$  C.

## WIND CHILL

**Range:** to -127° F; to -88° C.

**Accuracy:**  $\pm 2^\circ$  F,  $\pm 1.0^\circ$  C.

## BAROMETER

**Range:** 16.3 inches Hg. to 32 inches Hg; 551 to 1084 millibars (hPa), absolute reading. Digital offset for site altitude.

**Accuracy:**  $\pm 0.05$  inches Hg;  $\pm 1.69$  millibars (hPa) at 25°C. Temperature compensated from -40° to 85°C.

## RAINFALL

**Range:** Unlimited Tipping bucket with 8-inch diameter collector.

**Resolution:** 0.01"; 0.25 mm.

**Accuracy:**  $\pm 2\%$  at 1 inch per hour.

## TRANSCEIVERS

**Range:** Up to one-mile line of site. Walls or other RF absorbing structures may reduce range.

**Frequency:** 2.4 GHz spread spectrum 802.15.4. F.C.C. approved.