

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: ± 0.05 inches Hg; ± 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 sight. Walls or other RF absorbing structures may reduce range.

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