

MK III Specifications

WIND SPEED (ANEMOMETER)

Range: 0 - 150 m.p.h.; 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 from -40° to 85°C

DEW POINT

Range: -40° to +140° F.

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

WIND CHILL

Range: to -127° F; to -88° C.

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.

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). 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 1.0 inches per hour.

TRANSCEIVERS

Range: Range may be reduced by walls or other RF absorbing structures. Each WS-2000 system is factory tested at 433 feet through our 2 factory walls.

Frequency: 418 MHz. F.C.C. approved.