

# MK III Specifications

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## 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,  $360^\circ$ =North,  $090^\circ$ =East.

## TEMPERATURE- Outside

**Range:**  $-66^\circ$  to  $+166^\circ$  F;  $-54^\circ$  to  $+74^\circ$  C.

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

## TEMPERATURE- Inside

**Range:**  $32^\circ$  to  $+122^\circ$  F;  $0^\circ$  to  $+50^\circ$  C.

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

## RELATIVE HUMIDITY

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

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

## DEW POINT

**Range:**  $-40^\circ$  to  $+140^\circ$  F.

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

## WIND CHILL

**Range:** to  $-127^\circ$  F; to  $-88^\circ$  C.

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

## TEMPERATURE/HEAT INDEX

**Range:**To  $160^\circ$  F,  $71^\circ$ 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:**  $\pm 0.05$  inches Hg;  $\pm 1.69$  millibars (hPa). Temperature compensated from  $-40^\circ$  to  $85^\circ$ C.

## RAINFALL ( Wired and wireless options)

**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.