

Vantage Pro2[™] Accessories

Includes both wind speed and wind direction sensors. Rugged components stand up to hurricane-force winds, yet are sensitive to a light breeze. Includes sealed bearings for long life. The range and accuracy specifications have been verified in wind-tunnel tests. In areas where icing of the anemometer is a problem, drip rings deflect water from the joint between moving parts.

General

Sensor Type Wind Speed Solid state magnetic sensor Wind Direction Wind vane and potentiometer Connector Modular connector (RJ-11)

Maximum displayable wind speed decreases as cable increases. At 140' (42 m) of cable, maximum displayable wind speed is 135 mph (60 m/s); at 240' (73 m), maximum wind speed displayed is 100 mph (45 m/s).

Material

Wind Cups...... Polycarbonate

Anemometer Arm..... Black-anodized aluminum

Sensor Output

Wind Direction

Wind Speed

Resolution and Units Measured in 1 mph. Other units are converted from mph and rounded

to nearest 1 km/h, 0.1 m/s, or 1 knot

> cable from Anemometer to ISS increases. At 140' (42 m), maximum speed is 135 mph (60 m/s). At 240', the maximum is 100 mph.

Input/Output Connections

Black...... Wind speed contact closure to ground

Red..... Ground

Yellow Pot supply voltage

Wind Speed Translation Formula 1600 rev/hr = 1 mph

V = P(2.25/T) (V = speed in mph, P = no. of pulses per sample period

T = sample period in seconds)

Wind DirectionTranslation Variable resistance $0 - 20K\Omega$; $10K\Omega$ = south, 180°

Package Dimensions

Product #	Package Dimensions (Length x Width x Height)	Package Weight	UPC Codes
6410	17.75" x 10.50" x3.00" (451 mm x 267 mm x 76 mm)	2.0 lbs. (.9 kg)	011698 00237 5

