

# PEET BROS. COMPANY, INC.



## **ULTIMETER® PRO Anemometer**

The **ULTIMETER PRO** Anemometer is the latest design in our line of world-class weather instruments. It features superior wind speed resolution and low threshold, while retaining all of the advantages of our patented all-digital anemometer technology. Compared to its predecessor, the PRO Anemometer features wind cups which are over 4 times larger in profile, for greater rotational power; a fin which is over 3 times larger, for optimum directional response; stainless steel cup-retaining clips, and improved proprietary bearings for lower rotational friction and longer life. Available with integral anti-icing heater. Designed for use with **ULTIMETER** 2100, 800, and 100 weather stations.

## **Specifications**

Type:	3-Cup Anemometer, all digital, magnetically-actuated
Materials:	UV-Stabilized Polycarbonate, Acetal, 316 Stainless Steel
Cup Size:	2.6" diameter (6.6cm), 5.3 in <sup>2</sup> (34cm <sup>2</sup> ) cross-sectional area
Vane Size:	12.9" (32.8cm) overall length, 3.5" (8.9cm) height, 13.8in <sup>2</sup> (88.5 cm <sup>2</sup> ) surface area
Resolution:	0.1 mph (0.1 km/h, 0.1 m/s, 0.1 knots)
Speed Range:	0.2 to 160.0 mph (0.3 to 257.0 km/h, 0.1 to 71.0 m/s, 0.2 to 139.0 knots)
Threshold:	1.5 mph (2.4 km/h, 0.6 m/s, 1.3 knots)
Update Interval:	0.5 seconds, typical (more often at speeds >5 mph)
Accuracy:	± 2 mph (± 3.2 km/h, ± 0.9 m/s, ± 1.7 knots) or ± 5%, whichever is greater
Speed Data:	Current <sup>1,2</sup> , 1-min Peak and associated Direction <sup>2</sup> , 1-min Avg <sup>2</sup> , 5-min Peak and associated Direction <sup>2</sup> , 5-min Avg <sup>2</sup> , Daily Peak and associated Direction <sup>1,2</sup> (8 days' Peaks stored in keyboard memory), Long-Term Peak and associated Direction <sup>1,2</sup>
Direction:	Digital magnetic sensor, with 16-point analog "compass rose" display <sup>1</sup> , and numeric "degrees" display <sup>1,2</sup> with 1° resolution, ± 5% accuracy
Cable:	40 ft., 4-conductor, unshielded w/modular plug. Longer and custom cable lengths available.

<sup>1</sup>Data displayed in keyboard LCD

<sup>2</sup>Data available in RS232 Output

<sup>1,2</sup>Data displayed in LCD and available in RS232 Output