



Gill Microvane & 3 Cup Anemometer

Model 12005

The Gill MicroVane and 3-Cup Anemometer are traditional matched response sensors for wind measurement.

The MicroVane has a balanced aluminum vane assembly. Vane angle is sensed by a precision conductive plastic potentiometer. The 3-Cup Anemometer is constructed with UV resistant plastic cups. A sensitive DC generator outputs wind speed. The Vane and 3-Cup Anemometer are attached to a mounting crossarm which installs on standard 1 inch pipe. The 3-Cup Anemometer is also available separately.

Specifications

Wind Speed: 0-60 m/s (130 mph)

Azimuth: 360° mech., 355° electrical (5° open)

Threshold*:

Anemometer: 0.5 m/s (1.1 mph)

Vane at 10° displacement- 0.4 m/s (0.9 mph)

Wind Speed Signal: DC voltage linearly proportional to wind speed. 1800 RPM (2400 mV)=28.6 m/s (64.0 mph).

Wind Direction Signal: DC voltage from 10Kohm plastic potentiometer, 0.25% linearity, life expectancy: 50 million revolutions.

Power Requirement: Potentiometer excitation 15 VDC max

Dimensions:

Vane: 46 cm (18.0 in) H x 65 cm (25.6 in) L

Anemometer: 32 cm (12.5 in) H x 17 cm (6.7 in) dia.

Crossarm Length: 76cm (30 in)

Mounting: Standard 1 inch pipe

Weight: (12005) 2.4 kg (5.2 lb)

Shipping Weight: (12005) 3.7 kg (8.2 lb)