

Switching Anemometer

Tested against an N.P.L. calibration rotor

Robust and durable for permanent exposure to the weather





An anemometer is for run of wind measurements, or operation with an electronic counter to determine average wind speed. A magnet turns with the rotor spindle and the resulting varying field causes a mercury wetted reed switch to make and break contact once per revolution of the rotor. The contacts are bounce free, simplifying connection to electronic circuits, and no power is required apart from that necessary to detect contact closure, thus

facilitating use at remote sites. The rotor is tested by comparison with an N.P.L. calibrated rotor, and a calibration figure is provided.

Construction is from anodised aluminium alloy, stainless steels, and weather resisting plastics for all exposed parts, and the bearings (stainless steel shaft running in two precision corrosion resistant ball-races) are protected from the entry of moisture droplets and dust, resulting in an instrument suitable for permanent exposure to the weather.

In the marine version (A100R/M) a touching shaftseal is fitted for extra protection in place of the standard non-contact seal, with a small increase in threshold speed. An anti-icing heater can be fitted if required.



