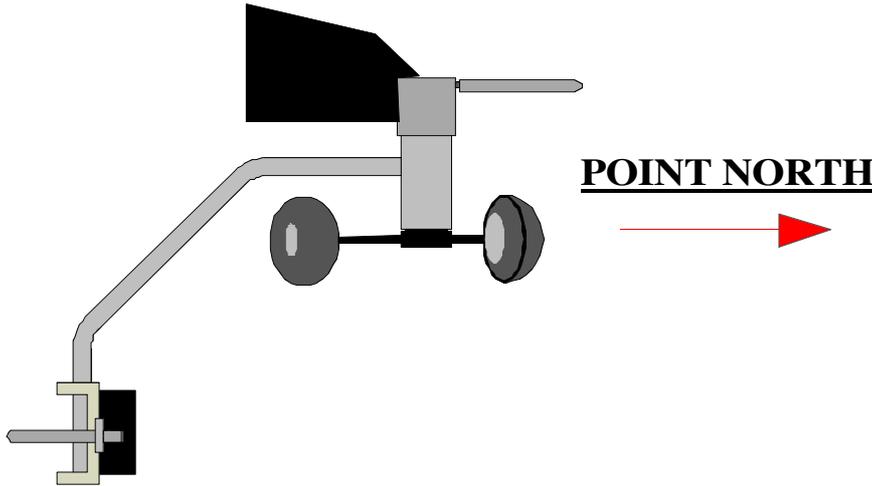


WIND SENSOR with 4-20mA outputs

Part numbers:

357 1000 007 - Basic

357 1000 008 - Pro



WIND SENSOR

The combined Wind Speed and Direction Sensors are manufactured from anodized aluminium alloy, uPVC and stainless steel with moulded polypropylene cups. The units are lightweight (less than 250 grammes) yet very robust. The sensors are designed to be mounted to a mast of between 30 - 50 mm diameter by means of a V-shaped clamp and bracket. This allows simple orientation of the sensor arm to North using the compass provided ; the only setting up required. Wind Direction is sensed by a precision conductive potentiometer which combines exceptionally long life with high sensitivity.

WIND SPEED

Typical accuracy

5% or 1.5 m/s

Resolution

better than 0.5 m/s

Threshold

<0.5 m/s

WIND DIRECTION

Accuracy

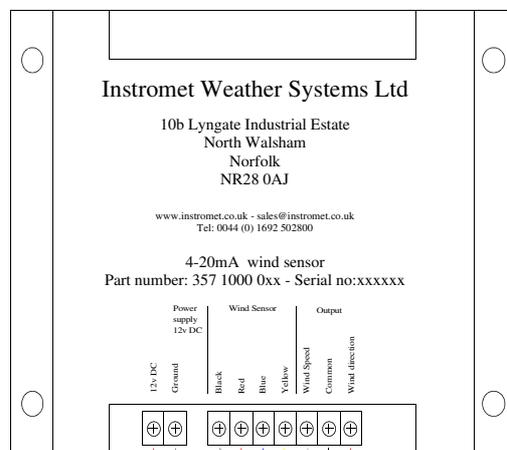
+/- 5 degs. typical (+/- 10 degs. worst case)

Resolution

Generally < 1 deg. (+/- 10 degs. at North)

Threshold

<0.5 m/s



Supply 12 Volt D.C.
 @ 10 mA approximately

3 - core screened cable
 2m supplied

Wind speed output: 20mA = 50 m/s

To suitable
 input device

Wind Direction output 4-20mA

Example Outputs:-

4mA output = 10 degs.

12 mA output = 180 degs. (South)

20 mA output = 360 degs. (North)

To Wind Sensor

4-core cable
 25 m supplied as standard
 (100m max.)

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