

# Economical Wind Sensors

## Model - WS-MM-555 Wind Speed Sensor



The model WS-MM-555 wind speed sensor uses the proven cup anemometer technology with a digital optical output for accuracy and durability. The anemometer has a photo-interrupter disc with 12 pulses per revolution to provide a high resolution frequency signal.

### SPECIFICATIONS:

#### General Requirements:

Power: 5-12VDC / 20mA

#### Measurements:

Resolution: 0.07 m/sec  
Range: 0-30 m/sec

#### Materials:

PVC and stainless steel

#### Output:

0-450 Hz at 0-30 m/sec, 5 to 10 VDC pulse

#### Dimensions:

Cup assembly - 120 mm dia., housing - 28 mm dia.

#### Cable:

20 metres of 3 core cable standard. Can be extended to a maximum of 100 metres

## Model - WS-MM-444 Wind Direction Vane



The model WS-MM-444 wind direction vane uses gives a 4-bit Gray Code output generated by a digital optical system within the head.

### SPECIFICATIONS:

#### General Requirements:

Power: 8 to 12VDC / 30mA

#### Measurements:

Resolution: 22.5°  
Range: 0-360 degrees

#### Materials:

PVC and stainless steel

#### Output:

Open emitter, 4-bit parallel Gray Code

#### Dimensions:

Vane - 155 mm x 220 mm, housing - 28 mm dia.

#### Cable:

20 metres of 6 core cable standard. Can be extended to a maximum of 100 metres

Cable Colour Code for WS-MM-555	
White	+5 to 12 VDC / 20 mA
Brown	GND
Green	Output (pulse)

### ORDERING INFORMATION:

Model	Description
WS-MM-555	Cup Anemometer
WS-MM-444	Wind Vane
WS-MM-105	Mounting Bracket Assembly

Cable Colour Code for WS-MM-444	
White	WD2
Brown	GND
Green	WD0
Gray	WD3
Pink	+ 8 to 12 VDC / 25 mA
Blue	WD1

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