

Industrial Wind Sensors

Features

- WS-MM-067-I and WS-MM-067-D
- Glass fibre reinforced anemometer cups
 - High precision sealed bearings
 - 0.75 m/sec threshold
 - Analog output (WS-MM-067-I) or pulse output (WS-MM-067-D)
 - Cup assembly rated to 75 m/sec
 - Easy to install
 - Low maintenance
 - Heated models available

WS-MM-660-I

- 6 bit Gray Code emitter disc for precise direction indication
- Rugged construction
- High quality self-lubricating bearings
- Heated model available

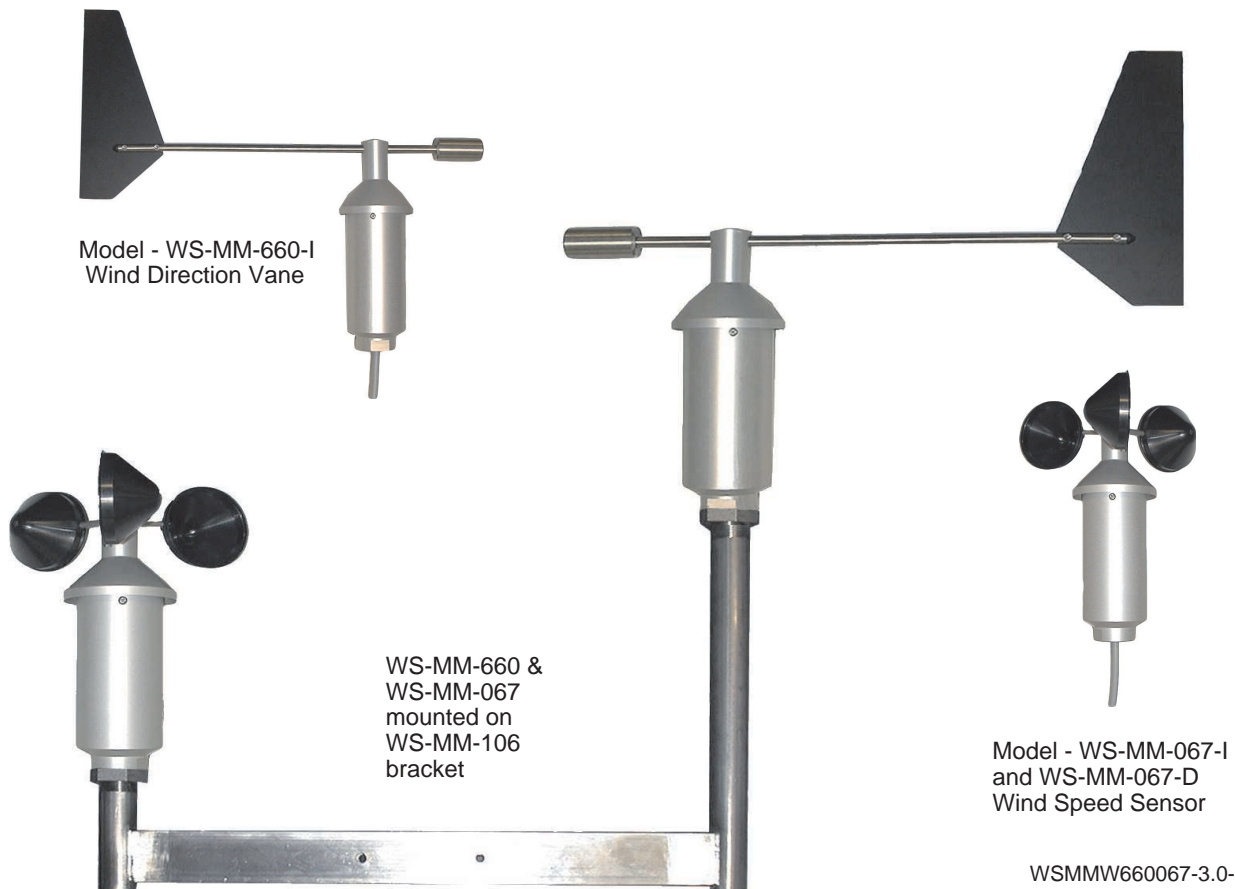
The model WS-MM-660-I wind direction vane uses a 6 bit Gray Code optical disc to code the wind direction in 64 (5.6°) steps. The Gray Code output is converted to a 4 - 20 mA signal for display and control applications.

Applications

- Weather reporting
- Wind turbine industry
- Monitoring conditions for crane and other lifting applications
- Bulk terminal dust control
- Container movement applications
- Marine installations (fixed and mobile)

The models WS-MM-067-I and WS-MM-067-D wind speed sensors use the proven cup anemometer technology with a digital optical output for accuracy and durability. The anemometer has a photo-interrupter disc with 32 pulses per revolution to provide a high resolution pulse signal. The pulses are converted to a 4 - 20 mA output signal in the model WS-MM-067-I.

The model WS-MM-067-D has a digital output signal and is capable of registering wind speeds to 75 m/sec.



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Wind Speed Sensors WS-MM-067-I(H) and WS-MM-067-D(H)

Wind Direction Vane WS-MM-660-I(H)

COMMON SPECIFICATIONS:

Measurements:

Range: 0 - 75 m/sec (WS-MM-067-D)
0 - 40 m/sec (WS-MM-067-I)

Starting Speed: < 0.8 m/sec
Resolution: 0.04 m wind run

Power Requirements:

Standard Models:
Power: 18 to 24 VDC / max. 45mA
With optional heater
Power: 18 to 24 VDC at approx 4 A max.

Materials:

Anodised aluminium and glass reinforced polycarbonate

Dimensions:

265 mm x 300 mm, body 53 mm dia.
Weight: 1 kg

Mounting Thread:

G3/4

Environmental Protection: IP65

OUTPUT SPECIFICATIONS:

WS-MM-067-D

WS-MM-067-D(H) (Heater model)

Output:

Pulse signal 0 - 1932 Hz at 0 - 75 m/sec 24 VDC

WS-MM-067-I

WS-MM-067-I(H) (Heater model)

Output:

Analog current 4-20 mA at 0-40 m/sec

SPECIFICATIONS: WS-MM-660-I

Measurements:

Range: 0 - 359 degrees:
Resolution: 5.6°

Power Requirements:

WS-MM-660-I
Power: 24 VDC / 50mA
WS-MM-660-I(H) with optional heater
Power: 24VDC at approx 4A

Materials:

PVC and anodised aluminium

Dimensions:

265 mm x 370 mm, body 53 mm dia.
Weight: 1kg

Mounting Thread:

G3/4

Output:

WS-MM-660-I 4 - 20 mA at 0 - 359 degrees

Environmental Protection: IP65

Cable:

5 metres of 6 core cable standard. 3 cores used for standard model. Optionally heated model available.

Cable Colour Code for WS-MM-660-I

White	24 VDC (50 mA)
Brown	GND
Green	4 - 20 mA output

Cable Colour Code for WS-MM-067-I

White	18 to 24 VDC (45 mA)
Brown	GND
Green	4 - 20 mA output

Additional Cable Colour Code for all heated models

Yellow	24 VDC for heater (approx 4 Amps)
Grey	GND for heater

Cable Colour Code for WS-MM-067-D

Brown	18 to 24 VDC (20 mA)
Green	GND
White	0 - 1932Hz pulse at 24 VDC

ORDERING INFORMATION:

Model	Description
WS-MM-067-I	Cup anemometer (analog)
WS-MM-067-I(H)	Cup anemometer (analog) with optional heater
WS-MM-067-D	Cup anemometer (digital)
WS-MM-067-D(H)	Cup anemometer (digital) with optional heater
WS-MM-660-I	Wind vane (analog)
WS-MM-660-I(H)	Wind vane (analog) with optional heater
WS-MM-106	Mounting Bracket Assembly