



MW 11 ANEMOMETER

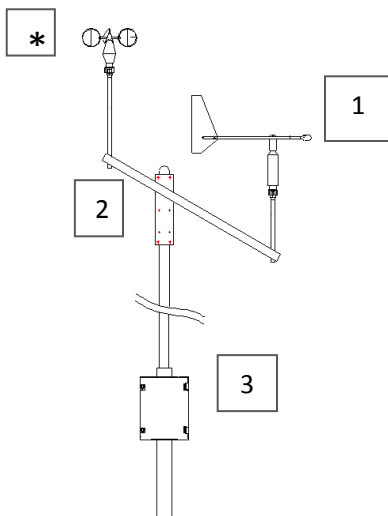
For professional, reliable wind speed measurement



- Practical light-weight cups
- Optical measurement principle
- Only 2.9 meters response length
- Fast and reliable; rugged instrumental plug
- Assured quality along international standards
- Robustness; can be used in tough conditions

The professional rotary anemometer MW 11 has three cups, which are mounted on a freely rotating axis. The low weight and the special design of the cups enable the anemometer to respond quickly to changing wind speeds. The absence of contacting devices also ensures fast response. These features allow a response length of 2.9 metres. The anemometer is able to measure wind speeds from 0 to 50 m/s. One of the main advantages is the rugged instrument plug. This plug ensures fast and reliable mounting of the sensor. The instrument is protected against inductive interference in accordance with prevailing international standards. The MW 11 anemometer is a very robust and reliable sensor which can be used in extreme onshore and offshore conditions. The sensor should be installed at a location which permits free wind access. Meteorological advice regarding suitable locations can be obtained from Mierij Meteo.

Installation Examples



Options/Accessories

- * MW 11
- 1 MW 12 Wind Vane
- 2 MW 81 Mounting Bracket, Professional Class
- 3 MU 32 Electronics Unit/ datalogger

Users





TECHNICAL SPECIFICATION: MW 11

PERFORMANCE	
Operating Range	0...50 m/s
Resolution	0.06 m wind run
Response Length	2.9 m
Starting Speed	< 0.5 m/s
Inaccuracy	< 0.5 m/s
Maximum Wind Load	Cup assembly tested up to 75 m/s
Balancing	The cup assembly is fully balanced

PHYSICAL	
Dimensions	305 x 230 mm, housing \varnothing 72 mm
Weight	0.8 kg
Material	Housing: Anodized aluminum
Cups	Glass-fiber reinforced synthetic material
Operating Temperature	-25...+60°C
Static Discharge	The instrument is protected against outside inductive interference up to a discharge power of 1500 Watt
Protection	IP-65
Shock and Vibration	The instrument is shock and vibration tested by the Netherlands Organization for Applied Scientific Research (TNO).

INSTALLATION	
Installation	Vertically, free-standing
Mounting & Connection	Combined in a 5-pole Instrument plug

ELECTRICAL	
Supply Voltage	15 VAC, 18...30 VDC
Power Consumption	40 mA
Output Signal	Pulse differential "+/-" 8V
Output Impedance	400 Ω / 10 nF

OTHER	
Maintenance	At 1 to 2-year intervals, depending on local conditions
Calibration Certificate	A calibration certificate with a validity of 1 year is available on request
Warranty	2 years