



ANEMOMETER MODEL MW 11

The professional scientific 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.





TECHNICAL SPECIFICATIONS: MODEL 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:	330 x 225 mm, housing \varnothing 70 mm.
Weight:	1 kg.
Material:	Housing: Anodized aluminium.
Cups:	Glass-fibre 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 Organisation 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:	25 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:	1 year.