



M I E R I J
M E T E O S Y S T E M S

MW 35 ANEMOMETER

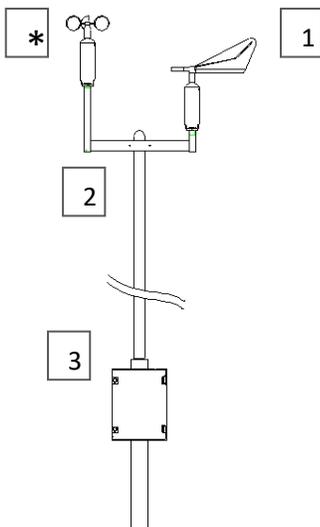
For professional, reliable wind speed measurement



- Highly reliable universal wind sensors
- Designed for industrial applications
- Wide range of outputs
- Shock and vibration proof
- All-weather resistant

Mierij Meteo MW 35 Anemometer is specifically developed for industrial applications, and enables you the fastest, reliable wind speed measurement in various situations. MW 35 is a heavy duty, robust and accurate sensor protected against static discharge and can be mounted using $\frac{3}{4}$ inch gas thread. It is fitted with a magnetic encoder and has no electro-mechanical parts. Also, an embedded heater keeps the sensor ice-free down to at least -40°C . Wind speed up to 75m/s can be measured. MW 35 is compatible with a wide range of data acquisition systems, and internal micro controller enables you a number of universal industrial outputs. MW 35 is supplied with 5 meter of signal/ power cable and operates on 12-24 VDC.

Installation Examples



Options/Accessories

- * MW 35
- 1 MW 36 Wind Vane
- 2 MW 83 Mounting Bracket, Industrial Class
- 3 MU 32 Electronics Unit/ datalogger

Users



Universiteit Utrecht



Jayme da Costa

STORK



TECHNICAL SPECIFICATION: MW 35

PERFORMANCE	
Operating Range	0 - 75 m/s
Resolution	Better than 0.1 m/s
Starting Speed	< 0.8 m/s
Maximum Wind Load	80 m/s
Inaccuracy	< 0.5 m-s (from 0 to 50 m/s)
Analogue output	0 – 10 V or 4 .. 20 mA
Frequency output (NPN/PNP)	0 .. 100 Hz / 0 .. 750 Hz / 0 .. 1000 Hz
Serial output	RS-485 (NMEA 0183)
PHYSICAL	
Size	Housing \varnothing 43mm
Weight	0.8 kg
Material	Stainless Steel / anodized aluminium / ABS / polyamide
Operating Conditions	- 40 °C to + 60 °C (The heater ensures operation to -40 °C in icing conditions)
ELECTRICAL	
Power Supply	10.8 to 30 VDC
Sensor Consumption with 4-20 mA output with other outputs	35 mA @ 12 VDC / 30 mA @ 24 VDC 15 mA @ 12 VDC / 10 mA @ 24 VDC
Heater Consumption	50 W @ 24 VDC only