



**Mierij Meteo**  
M E T E O   S Y S T E M S

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# Industrial Grade Wind Sensor Set

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## MW 35 Anemometer and MW 36 Wind Vane

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



### Junction box with static discharge protection

Junction boxes MU 44 or MU 45 are advised when cable lengths over 5 meters are required. They contain protection against inductive interference and, if properly grounded, the wind sensors will have the maximum protection against static discharge. Junction box model MU 44 is painted steel, model MU 45 is polycarbonate.

### Data loggers / electronics units

Mierij Meteo has a range of high performance data loggers and electronics units available for processing the signals from wind sensors.

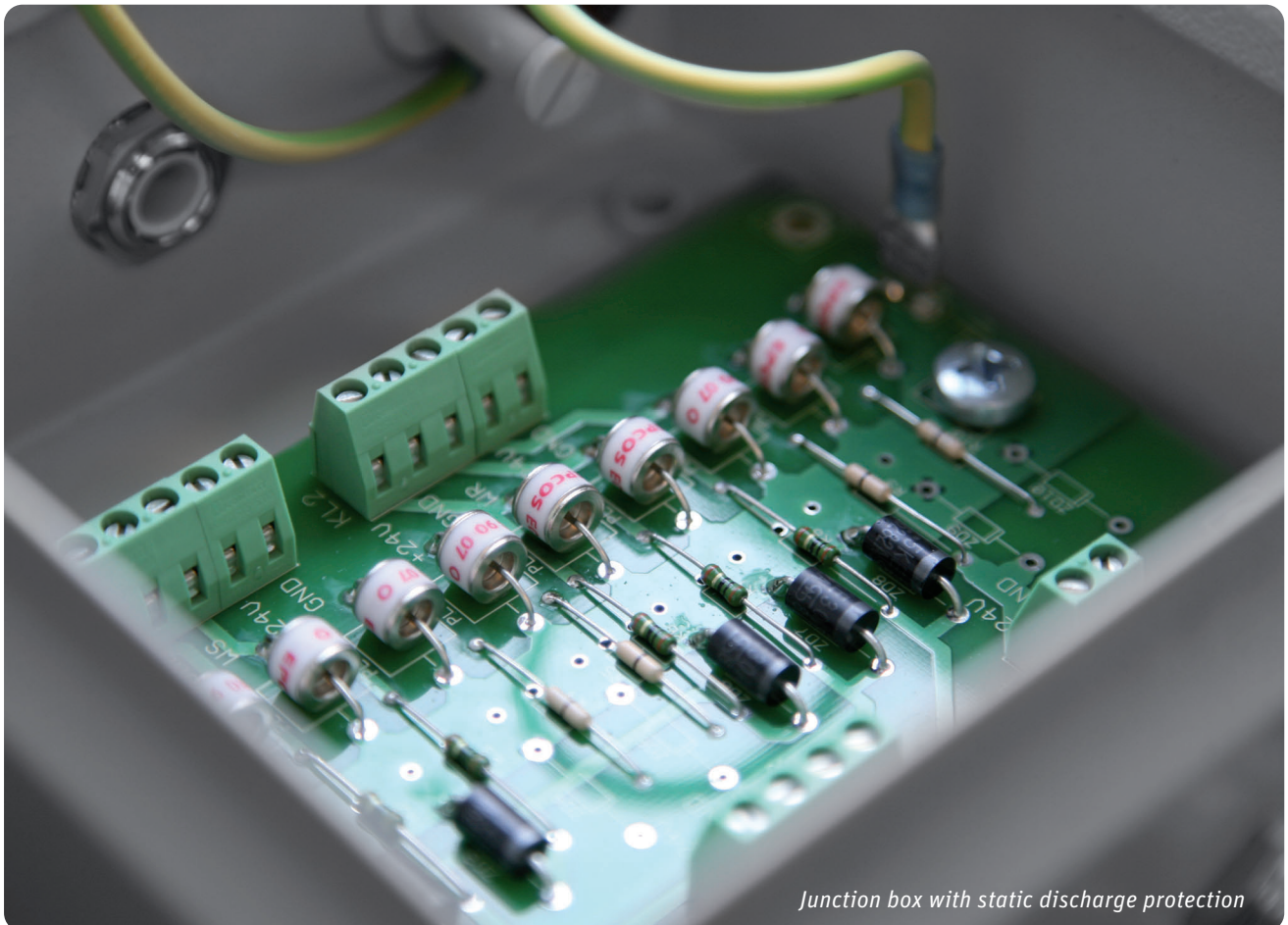
### Options

Mierij Meteo offers web-based applications for remote data presentation and remote data retrieval. We can provide tailor-made solutions, please contact us for more information.



### Calibration

All our wind sensors are delivered with a test certificate. An optional individual calibration can be carried out using our wind tunnel and wind vane calibrator. We can also supply MEASNET certificates at extra cost.



*Junction box with static discharge protection*

Specifications	MW 35	MW 36
Operating Range	0 - 75 m/s	0 - 360 °
Resolution ①	Better than 0.1 m/s	8 bit / 1.4 ° (internally)
Starting Speed	< 0.8 m/s	< 0.8 m/s
Maximum Wind Load	80 m/s	80 m/s
Inaccuracy	< 0.5 m/s (from 0 to 50 m/s)	< 3 °
<b>Electrical</b>		
Power Supply	10.8 to 30 VDC	10.8 to 30 VDC
Sensor Consumption with 4-20 mA output	35 mA @ 12 VDC / 30 mA @ 24 VDC	35 mA @ 12 VDC / 30 mA @ 24 VDC
with other outputs	15 mA @ 12 VDC / 10 mA @ 24 VDC	15 mA @ 12 VDC / 10 mA @ 24 VDC
Heater Consumption	50 W @ 24 VDC only	50 W @ 24 VDC only
<b>Outputs ②</b>		
Analogue	0 - 10 V @ 0-40 m/s 4 - 20 mA @ 0-40 m/s	0 - 10 V @ 0 - 360 ° 4 - 20 mA @ 0 - 360 °
Digital (NPN/PNP)	N.A.	1-2 bits Gray code (parallel)
Frequency (NPN/PNP)	0 - 100 Hz @ 0 - 75 m/s 0 - 750 Hz @ 0 - 75 m/s 0 - 1000 Hz @ 0 - 75 m/s	0 - 100 Hz @ 0 - 360 °
Serial	RS-485 NMEA 0183	RS-485 NMEA 0183
<b>Physical</b>		
Dimensions	200 x 250 x 50 mm	200 x 300 x 50 mm
Weight	1 kg	1 kg
Material	Stainless Steel / anodized aluminium / ABS / polyamide	
Operating Temperature	- 40 °C to + 60 °C The heater ensures operation to -40 °C in icing conditions	
<b>Installation</b>		
Mounting ③	3/4" female gas thread	3/4" female gas thread
Connection	5 meter shielded cable	5 meter shielded cable
<b>Warranty</b>		
From date of delivery	3 years	3 years
<b>Notes:</b>		
① The effective resolution depends upon the output signal type		
② Other output ranges are available on request, please contact us		
③ Different mountings and adapters are available on request, please contact us		



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Mierij Meteo Nederland BV reserve the right to alter specifications of the equipment described in this document without prior notice