



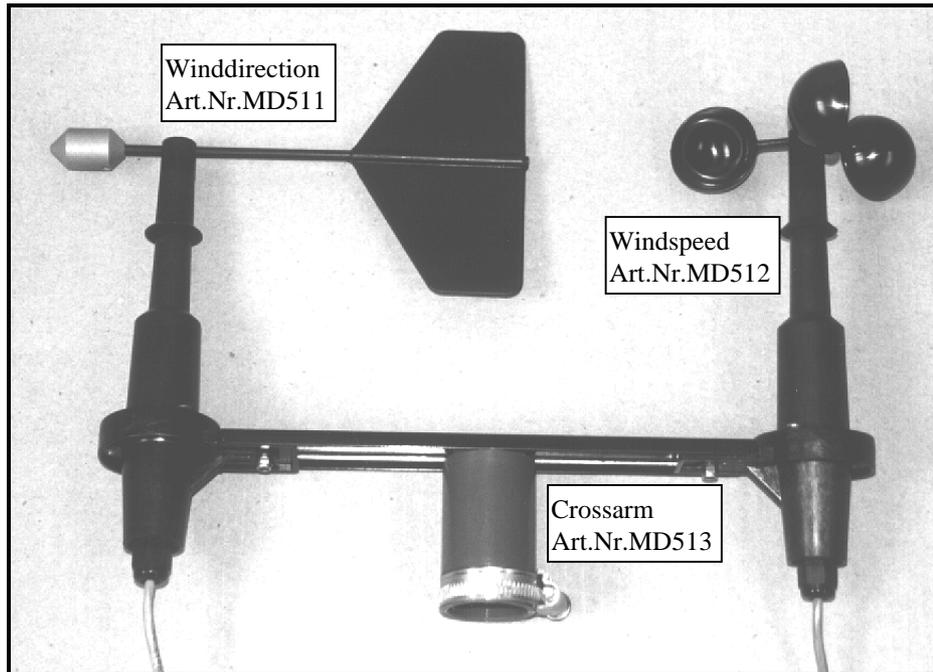
# PESSL INSTRUMENTS GES.M.B.H.

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SENSOR	<b>WIND DIRECTION &amp; WIND SPEED</b>
Part.No.	<b>MD511, MD512</b>



PARAMETERS	
Range	0 - 40 ms <sup>-1</sup>
Gust Survival	60 ms <sup>-1</sup>
Azimuth	360 degree mechanical, 355 degree electrical (5 degree open)
Anemometer Threshold	0.5 ms <sup>-1</sup>
Wind Vane Threshold	0.8 ms <sup>-1</sup> (10 degree) 1.8 ms <sup>-1</sup> (5 degree)
Cup Wheel Turning Factor	75 cm per revolution
Wind Speed Output	magnetically induced AC voltage/ 1 pulse per revolution 30 Hz ^ 22.8 ms <sup>-1</sup>
Azimuth Output	analogue DC voltage from conductive plastic potentiometer
Azimuth Output Res.	10k ohm
Azimuth Output Linearity	0.5%
Azimuth Life Expectancy	50 million revolution
Evaluation	both ANALOGIC
Cable length	3 m each