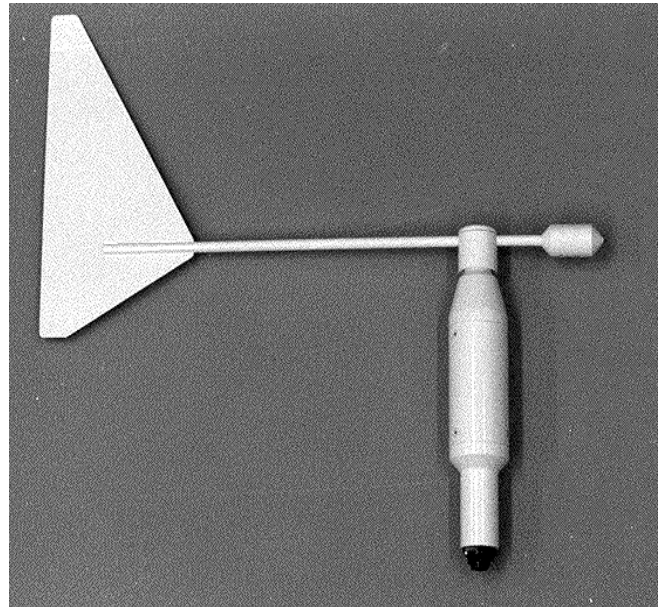


## **WIND DIRECTION SENSOR W20-2 and W20-2/H**

This sensor W20-2 is designed for measuring of wind direction with low dumping ratio and low overshoot up to strongest wind. The rugged wind vane shows an excellent accuracy and linearity. It is completely made of anodised aluminium, stainless steel and Delrina durable and lightweight. A labyrinth prevents dust and water from bearings. A water-proof 7-pin plug provides a safety cable connection. A high precision potentiometer with only a gap of 2 degree in the north position transforms the turning of the vane into an electrical signal. As a farther advantage is to mention the easy replacement of the vane with it's arm. The large dimensions of the vane make the sensor suitable for frosty regions without using of a sensor heating.



### **Specifications**

Sensor Type	:	Wind vane with ring potentiometer
Measuring Range	:	1... 359 °
Accuracy	:	+/- 2 °
Dumping Ratio	:	0.2 m/s
Distance Constant	:	0.6 m
Overshoot	:	lower than 10 °
Potentiometer Linearity	:	< 0.3 %
Resistance	:	5 kOhm (other resistances on request)
Power Supply (sensor)	:	max. 50 V / 10 mA
Power Supply (heating)	:	max. 220 V / 1 A
Ambient Temperature	:	-50°C... +60°C (heated) -20°C... +60°C (unheated)
Ambient Humidity	:	0... 100 % RH
Vane Turning Radius	:	430 mm
Body Dimension	:	300 mm x 60 mm (HxD)
Weight	:	1.5 kg
Material	:	anodised aluminium, stainless steel and delrina

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