

WIND SPEED SENSOR W20-1 and W20-1/H

This sensor W20-1 is designed for measuring of wind speed with low threshold (0.5 Kn.) up to strongest wind. The rugged three-cup anemometer 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. Eight small magnets attached to the axis produce in a fixed dry-read contact pulses frequency proportional to wind speed. One rotation of cup assembly causes eight pulses. As a farther advantage, there is to mention the easy replacement of a single cap with arm. The large dimension of the caps makes the sensor suitable for frosty regions without using of a sensor heating.



Specifications

Sensor type	:	3-cup anemometer with dry-reed contact
Signal output	:	8 pulses per revolution 0.402 m wind run per pulse 0.402 m/s/Hz 0.7813 kt/Hz
Measuring range	:	0 - 80 m/s
Threshold Point	:	0.3 m/s
Accuracy	:	1.5 % of measured value
Ambient temperature	:	-20... + 60°C
With heating	:	-50... + 60°C
Cup diameter	:	100 mm
Cup wheel diameter	:	410 mm
Dimension (body only)	:	300 mm x 60 mm (HxD)
Weight	:	1.5 Kg
Material	:	aluminium (anodised), stainless steel and Delrina

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