

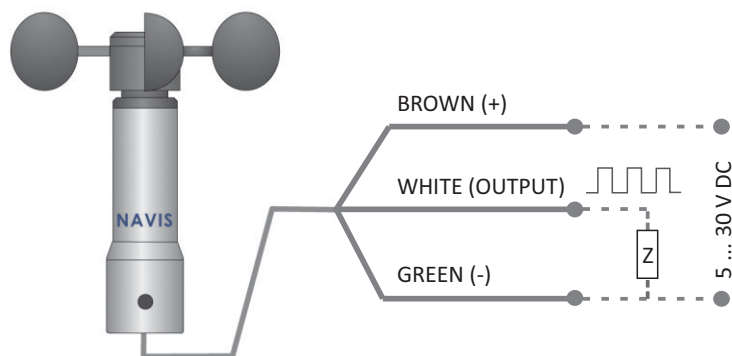
WIND SPEED SENSOR

WSS 100/PULSE

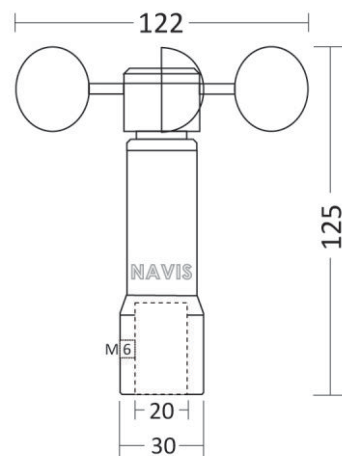


- ▶ HALL rotation sensor
- ▶ precision stainless steel Ball bearings
- ▶ field replaceable bearings
- ▶ replaceable anemometer cups
- ▶ wind tunnel tested

WIRING



DIMENSIONS



ORDERING INFORMATION

MODELS

- WSS100/PULSE

OPTIONS

- Individually wind tunnel tested sensors with calibration certificate
- Measnet calibration certificate
- various cable length

SPARE PARTS

- 1 Spare anemometer cups
- 2 WS sensor head with bearings
- 3 WS sensor head with ceramic bearings



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2, 3

TECHNICAL DATA

Wind speed measurement range:	0,8 - 50,0 m/s
Starting threshold:	0,7 m/s
Operating voltage:	5...30 V DC
Current consumption:	5 mA
Signal output:	frequency, I max. 20 mA
Output frequency:	1,18 Hz/m/s (59 Hz at 50,0 m/s)
	wind speed (m/s) = 0,5 + (output frequency x 0,847)
Accuracy:	+/- 0,20 m/s or 2,5% (up to 40 m/s)
Resolution:	0,1 m/s
Reverse polarity protection:	YES
Transient voltage protection:	YES
Temperature operating range:	- 30 ... +55 °C
Relative humidity:	0 ... 100%
Rotation sensor type:	Hall effect sensor
Cable:	Liy 3 x 0,25 mm ² ; 10 m standard option LiyCy 3 x 0,25 mm ²
Bearings (replaceable):	2 x stainless steel Ball bearings
Material - housing:	anodized Aluminum
- cups (replaceable):	PA (Polyamide)
Weight:	120 g, without cable
Mounting:	the sensor mounts on a pipe with ø20 mm outside diameter