

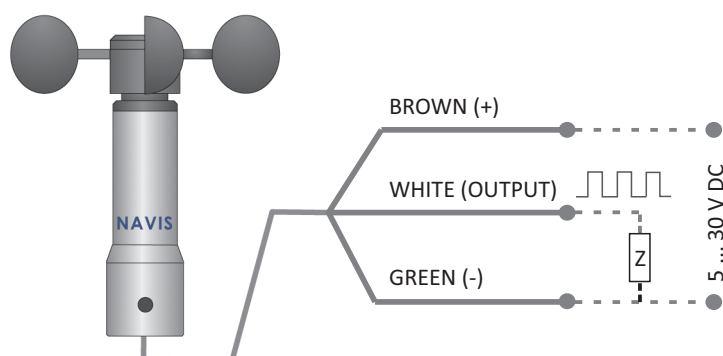
WIND SPEED SENSOR

WSS 103/PULSE

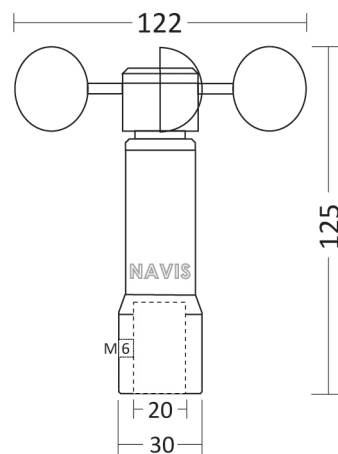


- high precision and low starting speed
- linear output curve - linearization of cups rotation and starting threshold compensation
- exact 4,0 Hz / m/s output frequency
- precision stainless steel or full ceramic ball bearings
- field replaceable bearings
- replaceable anemometer cups
- wind tunnel tested

WIRING



DIMENSIONS



ORDERING INFORMATION

MODELS

- WSS103/PULSE
- WSS103/PULSE/CER

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:	0,6 - 50,0 m/s
Starting threshold:	0,5 m/s
Operating voltage:	5...30 V DC
Current consumption:	5 mA
Signal output:	frequency, I max. 20 mA
Output frequency:	4,0 Hz / m/s, (200 Hz at 50,0 m/s) output calculation: Wind speed (m/s) = Frequency x 0,25
Accuracy:	+/- 0,15 m/s or 1,5% (up to 40 m/s)
Averaging period:	1 sec (from 1,5 m/s and higher) 2 sec (0,5...1,5 m/s)
Resolution:	0,1 m/s
Reverse polarity protection:	YES
Transient voltage protection:	YES
Temperature operating range:	- 40 ... +60 °C
Relative humidity:	0 ... 100%
Rotation sensor type:	Hall effect sensor
Cable:	Liyy 3 x 0,34 mm ² ; 5 m standard option LiyCy 3 x 0,34 mm ²
Bearings (replaceable):	2 x precision stainless steel Ball bearings (WSS103/PULSE) 2 x full ceramic Ball bearings (WSS103/PULSE/CER)
Material - housing:	anodized Aluminum
- cups (replaceable):	PA (Polyamide)
Weight:	260 g
Mounting:	the sensor mounts on a pipe with ø20 mm outside diameter