

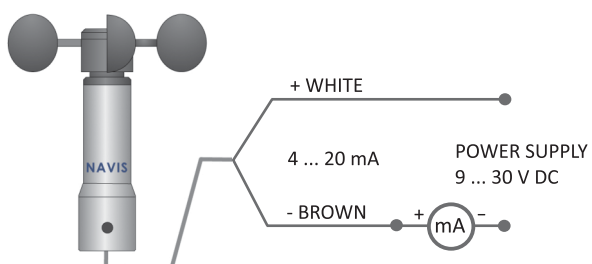
# WIND SPEED SENSOR

WSS 100/4-20 mA

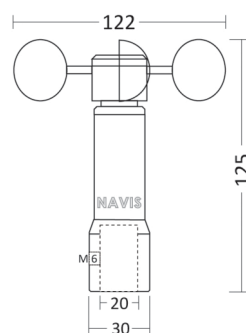


- ▶ low starting speed
- ▶ wind tunnel tested
- ▶ field replaceable bearings
- ▶ replaceable anemometer cups
- ▶ full ceramic ball bearings (option) for low starting speed and long bearings life time
- ▶ linear output curve - linearization of cups rotation and starting threshold compensation

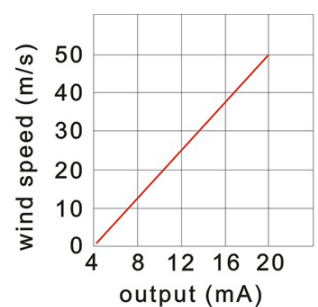
## WIRING



## DIMENSIONS



## OUTPUT





NAVIS

## ORDERING INFORMATION

### MODELS

- WSS100/4-20mA
- WSS100/4-20mA/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:	0,7 ... 50,0 m/s
Starting threshold:	0,6 m/s
Operating voltage:	9...30 V DC
Signal output:	4...20 mA, 2 wire 4 mA = 0 m/s; 20 mA = 50 m/s
Output update:	4/sec
Output averaging period:	1 s
Accuracy:	+/- 0,15 m/s or 2,5% (up to 40 m/s)
Resolution:	0,1 m/s
Loop resistance:	max. 600Ω /24V
Reverse polarity protection:	YES
Transient voltage protection:	YES
Temperature operating range:	-30 ... +55 °C
Relative humidity:	0 ... 100%
Accuracy:	+/- 0,15 m/s or 2,5% (up to 40 m/s)
Rotation sensor type:	hall effect sensor
Cable:	Liyy 2 x 0,34 mm <sup>2</sup> ; 10 m standard
Bearings (replaceable):	2 x precision stainless steel ball bearings (WSS100/4-20mA) 2 x full ceramic Ball bearings (WSS100/4-20mA/CER)
Material - housing:	anodized aluminum
- cups (replaceable):	PA (Polyamide)
Weight:	120 g, without cable
Mounting:	the sensor mounts on a pipe with