



NAVIS

# Long range Wireless Anemometer WSM W300

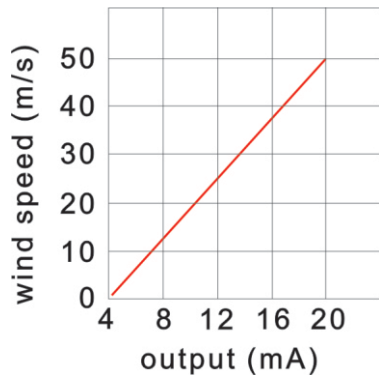


long range  
- up to 400 m



- ▶ easy installation without running cables
  - ▶ no battery to replace
  - ▶ no threat of lightning damage
  - ▶ no photovoltaic to position or clean
  - ▶ long range ( up to 400 m or 4 km with directional yagi antenna)
  - ▶ instant wind speed data
  - ▶ 3 alarm output for signalization
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## 4-20 mA OUTPUT (type WSM W300/4-20mA)



### TECHNICAL DATA

Measurement range:	0,8 - 50,0 m/s
Units of measurement:	m/s, km/h, knots, mph
Averaging period:	2 s, 10 s, 30 s
Operating voltage	12 VDC, option: 24VDC
Power consumption:	50 mA
Reverse polarity protection:	YES
Transmission distance:	up to 400 m up to 1 km with directional yagi antenna up to 3-4 km with 2 yagi antennas
Operating Frequency:	868 Mhz
Temperature operating range:	-25 ... +60 °C
Outputs:	3 x relay, 2 A/24 V
Signal output (type WSM W100/4-20mA):	4...20 mA 4 mA = 0 m/s 20 mA = 50 m/s
Signal output (type WSM W300/pulse):	1,1 Hz/m/s (other value possible on request)
Antenna input (receiver):	50 Ohm, SMA connector
Data transmission rate:	every 2 sec
Resolution:	0,2 m/s
Accuracy:	+/- 3 %
Battery - sensor:	Lithium battery, battery life up to 8 years
Sensor bearings:	2 x precision stainless steel Ball bearing
Material - sensor:	housing: PVC cups (replaceable): PA
Casing receiver:	ABS, IP65
Dimensions receiver:	130 x 80 x 36 mm
Dimensions - sensor:	Height 160 mm, overall diameter cup to cup 120 mm
Mounting :	the sensor mounts on a pipe with $\varnothing$ 25,4 mm diameter

### OPTIONAL YAGI ANTENNA



### VERSIONS:

WSM W300:	3 x relay output
WSM W300/4-20mA:	3 x relay output + 4 -20 mA output
WSM W300/pulse:	3 x relay output + pulse output

### OPTIONS:

- 50 Ohm sensor output for connecting the external antenna (SMA connector)