



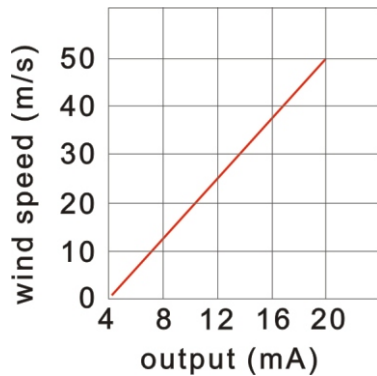
NAVIS

Long range Wireless Anemometer WSM W300



- ▶ 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

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 10 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:	additional 4 -20 mA output
WSM W300/pulse:	additional pulse output

OPTIONS:

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