

WIRELESS ANEMOMETER RECEIVER WITH 4-20 mA OR FREQUENCY OUTPUTS

W110-4-20/REC
W110-PULSE/REC

FEATURES

- receives data from Navis wireless wind speed or wind speed/direction sensors
- 4-20 mA wind speed and wind direction outputs (W110-4-20/REC)
- Frequency wind speed output (W110-PULSE/REC)
- easy mounting due to wireless sensor
- up to 1300 m range with extended range sensor
- up to 500 m range with standard range sensor
- instant wind data – data refresh each 0,5 ... 2 seconds



COMPATIBLE SENSORS



WS 010-1A (standard range WS sensor)
WS 011-1A (extended range WS sensor)
WS 011-1-EX (extended range WS sensor)



WSD 010-1A (standard range WSD sensor)
WSD 011-1A (extended range WSD sensor)
WSD 011-1-EX (extended range WSD sensor)

ORDERING

Receiver unit

- 1 **W110-4-20/REC** receiver unit with 4-20 mA outputs
- 2 **W110-PULSE/REC** receiver unit with frequency output

Sets with sensors included

- 3 **W110-4-20/WS** W110-4-20/REC with WS 011-1A sensor
- 4 **W110-4-20/WSD** W110-4-20/REC with WSD 011-1A sensor



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OPTIONS

Individual Wind tunnel certificate

OPTIONAL ACCESSORIES

- 1 External antenna with 3 m cable, magnetic mounting
- 2 YAGI antenna



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TECHNICAL DATA

Wind speed measurement range:	0,6 – 50 m/s
Wind direction measurement range:	0°– 359°, no blank sectors
Wind speed resolution:	0,1 m/s
Wind direction resolution:	1°
Wind speed accuracy:	+/- 2,5 %
Wind direction accuracy:	+/- 2,5°
Temperature operating range:	- 30 ... + 55 °C
Operating voltage:	12...30 V DC
Power consumption:	max. 80 mA
Reverse polarity protection:	YES
Transient voltage protection:	YES
Signal output, W110-4-20/REC - Wind speed:	4 mA = 0 m/s 20 mA = 50 m/s output at no signal from sensor = 3,6 mA
Wind direction:	0° degree = 4 mA 359° degree = 20 mA output at no signal from sensor = 3,6 mA
Signal output, W110-PULSE/REC - Wind speed:	0 m/s = 0 Hz, 50 m/s = 500 Hz
Data refreshing:	0,5 , 1 or 2 seconds (depends on the sensor setting)
Cable connection:	internal PCB terminals
Communication frequency :	868 MHZ
Antenna input:	50 Ohm, SMA connector
Range:	
- with standard range sensor	up to 500 m visible distance
- with extended range sensor	up to 1300 m visible distance
- with Yagi antenna on receiver side	up to 3 x nominal range
Weight:	170 g
Casing:	115 x 65 x 41 mm, ABS, IP65,

WIRING

