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
- 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 2 seconds
- optional wind tunnel calibration certificate
COMPATIBLE SENSORS:

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

WSD 010-1 (standard range WSD sensor)
WSD 011-1 (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  W110L-4-20/WS  receiver unit with 4-20 mA output, standard range WS sensor
4  W110-4-20/WS  receiver unit with 4-20 mA output, extended range WS sensor
5  W110L-4-20/WSD receiver unit with 4-20 mA output, standard range WSD sensor
6  W110-4-20/WSD receiver unit with 4-20 mA output, extended range WSD sensor

OPTIONS
Wind tunnel certificated version available

OPTIONAL ACCESSORIES
1  External antenna with 3 m cable, magnetic mounting
2  YAGI antenna
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
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 3 - 4 x nominal range
Weight: 170 g
Casing: ABS, IP65, 120 x 65 x 42 mm

WIRING