

WIRELESS ANEMOMETER WITH ALARMS FOR CONSTRUCTION SITES AND INDUSTRY

W410/D
W410XB/D



FEATURES

- extremely easy mounting due to wireless sensor and magnetic mounting (optional accessories)
- up to 500 m range with standard range sensor
- up to 1300 m range with extended range sensor
- built-in audible alarm and red/yellow alarm lights
- 4 programmable alarm relay outputs with ON and OFF delays
- 2-zone wind direction alarm
- back lighted graphic LCD with large numbers
- magnetic mounting (optional accessories)
- Bluetooth output signal for smart devices via free application (W410XB/D model)

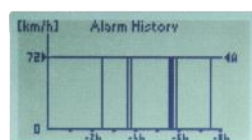
FUNCTIONS

- current wind speed
- wind direction
- bar graph for current wind speed
- bar graph for peak wind speed
- 8 h wind speed history graph
- 8 h alarm history graph
- temperature

APPLICATIONS

- crane applications
- mobile crane
- tower crane
- bridge crane
- lift applications
- all applications where wind alarm is needed

HISTORY DISPLAYS





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TECHNICAL DATA

Wind speed measurement range:	0,6...50 m/s
Wind direction measurement range:	0°– 359° (6 ° graph resolution)
Temperature measurement range:	-30....+60 °C
Wind speed units:	m/s, km/h, knots, mph
Temperature units:	°C, °F
Wind speed averaging period:	selectable 2 s, 10 s, 30 s
Wind direction averaging period:	10 s
Wind speed resolution:	0,1 m/s
Wind direction resolution:	6°
Temperature resolution:	1°C
Wind speed accuracy:	+/- 2,5 %, calibration possible in 0,5% steps
Wind direction accuracy:	+/- 2,5°, adjustable offset +/- 180°
Temperature accuracy:	+/- 1°C
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	3-4 x nominal range
Operating voltage:	12 - 24 V DC
Power consumption:	max. 300 mA
Temperature operating range:	-30 ... +60 °C
Outputs:	4 x relay, contact rating 2 A/24 V, programable ON and OFF delays
Alarms:	adjustable max. alarm red light + continuous sound signal adjustable pre. alarm yellow light + interrupted sound signal
Sound signal (integrated buzzer):	85 dB/10 cm
Dimensions:	150 x 80 x 55 mm
Weight:	260 g

ADDITIONAL FOR W410XB

Transmission distance from display unit to smart device:	up to 30 m
Analog signal outputs:	2 x 4...20 mA (not isolated, common ground with supply) 4 mA = 0 m/s (0°) 20 mA = programmable 10 - 50 m/s (359°)

Android application requires device with 4.3 OS or newer with Bluetooth BLE.





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COMPATIBLE SENSORS:



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



WSD 010-1 (standard range WSD sensor)
WSD 011-1 (standard range WSD sensor)

ORDERING:

Display unit

- 1 W410/D display unit
- 2 W410XB/D display unit, BLE compatibility

Sets with sensors included

- 3 W410/WS display unit, standard range WS sensor
- 4 W410XB/WS display unit, extended range WS sensor, BLE compatibility
- 5 W410/WSD display unit, standard range WSD sensor
- 6 W410XB/WSD display unit, extended range WSD sensor, BLE compatibility



1, 2



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OPTIONS

Wind tunnel certificated version available

OPTIONAL ACCESSORIES

- 1 External antenna with 4 m cable, magnetic mounting
- 2 YAGI antenna

MOUNTING ACCESSORIES

- 3 Display magnetic mounting assembly



1



2



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