



WIRELESS ANEMOMETER WITH ALARMS FOR CONSTRUCTION SITES AND INDUSTRY W410XW/D

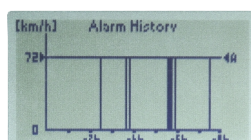
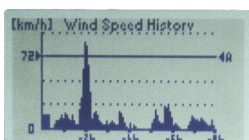


Navis **LIVEDATA**
web interface

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
- backlit graphic LCD with large numbers
- Wi-Fi output for sending data to Navis LIVEDATA web interface

HISTORY DISPLAYS



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 cranes
 - tower cranes
 - bridge cranes
- lift applications
- all applications where wind alarm is needed
- remote wind monitoring and logging



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COMPATIBLE SENSORS:



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



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

ORDERING:

Display unit

- 1 W410XW/D display unit

Sets with sensors included

- 2 W410XW/WS display unit, extended range WS sensor, WiFi output
- 3 W410XW/WSD display unit, extended range WSD sensor, WiFi output



1



2



3

Access to Navis LIVEDATA web interface:

FREE BASIC ACCESS (1 min data refreshing, 24h graphs, ...)

PAYABLE ADVANCED ACCESS (2 seconds data refreshing, up to 1 month graphs and data logging, ...)



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



3



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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 extended range sensor | up to 1300 m visible distance |
| - with Yagi antenna | 3-4 x nominal range |
| Wi-Fi data transmission rate: | every 2 seconds |
| Wi-Fi transmission frequency: | 2,4 GHz |
| Wi-Fi range: | Up to 20 meters. It can varies with type of Wi-Fi router. |
| Navis LIVEDATA web interface URL: | http://www.navis-livedata.com |
| Operating voltage: | 12 - 24 V DC |
| Power consumption: | 500 mA |
| Temperature operating range: | -30 ... +60 °C |
| Outputs: | 4 x relay, contact rating 2 A/24 V, programmable 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 |
| 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°) |