WIRELESS ANEMOMETER WITH ALARMS FOR CONSTRUCTION SITES AND INDUSTRY

W410XW/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
- backlighted graphic LCD with large numbers
- Wi-Fi output for sending data to Navis LIVEDATA web interface

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

HISTORY DISPLAYS
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

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
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°)

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