

# ANEMOMETER WITH ALARMS FOR CONSTRUCTION SITES AND INDUSTRY

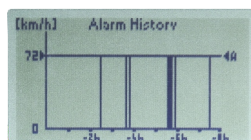
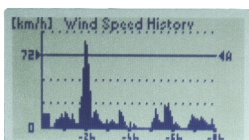
Y410, Y410W, Y410L



## FEATURES

- wind speed or winds speed/wind direction sensor
- shock proof, user replaceable anemometer cups
- replaceable sensor bearings
- backlit graphic LCD with large numbers
- built-in audible alarm and red/yellow alarm lights
- 2-zone wind direction alarm
- 4 programmable alarm relay outputs with ON and OFF delays
- Wi-Fi output for sending data to Navis LIVEDATA web interface \*
- Bluetooth output signal for smart devices via free application \*
- store wind history to SD card with real-time stamp \*
- GSM alarm - SMS or push notifications \* \*

## HISTORY DISPLAYS



## FUNCTIONS

- current wind speed and direction
- wind direction bar graph
- bar graph for current wind speed
- bar graph for peak wind speed in last 2 minutes
- 8 h wind speed history graph
- 8 h alarm history graph
- logging of wind data to micro SD card \*

## APPLICATIONS

- crane applications
- lift applications
- all applications where wind alarm is needed
- wind monitoring and logging

\* depends on the model

\*\* optional accessories

## COMPATIBLE SENSORS:



Y410 WS sensor



Y410 WSD sensor

## ORDERING:

- |   |                  |  |
|---|------------------|--|
| 1 | <b>Y410/WS</b>   | display unit, WS sensor                                    |
| 2 | <b>Y410/WSD</b>  | display unit, WSD sensor                                   |
| 1 | <b>Y410W/WS</b>  | display unit, WS sensor, Wi-Fi & BLE                       |
| 2 | <b>Y410W/WSD</b> | display unit, WSD sensor, Wi-Fi & BLE                      |
| 3 | <b>Y410L/WS</b>  | display unit, WS sensor, Wi-Fi & BLE, logging to uSD card  |
| 4 | <b>Y410L/WSD</b> | display unit, WSD sensor, Wi-Fi & BLE, logging to uSD card |



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## Access to Navis LIVEDATA web interface:

- **FREE BASIC ACCESS** (1 min data refreshing, 24h graph, ...)
- **PAYABLE ADVANCED ACCESS** (2 seconds data refreshing, up to 1 month graphs and data logging, ...)



## OPTIONS

Individual Wind tunnel certificated version available

## SPARE PARTS

- 1 Spare anemometer cups
- 2 Spare wind vane
- 3 WS sensor head with bearings
- 4 WSD sensor head with bearings



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## OPTIONAL ACCESSORIES

- 5 Power adapter, 12V DC/1 A
- 6 CM4000 Mobeye GSM Alarm module



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NAVIS

#### TECHNICAL DATA

<b>Wind speed measurement range:</b>	0,6 - 50,0 m/s
<b>Wind direction measurement range:</b>	0° - 359° no blank sector, contactless magnetic measuring principle
<b>Wind speed resolution:</b>	0,1 m/s
<b>Wind direction resolution:</b>	6°
<b>Wind speed accuracy:</b>	+/- 2,5 %, calibration possible in 0,5% steps
<b>Wind direction accuracy:</b>	+/- 2,5°, adjustable offset +/- 180°
<b>Wind speed averaging period:</b>	selectable 2 s, 10 s, 30 s
<b>Wind direction averaging period:</b>	10 s
<b>Wind speed units:</b>	m/s, km/h, knots, mph
<b>Operating voltage:</b>	12 - 24 V DC
<b>Power consumption:</b>	max. 300 mA
<b>Sensor cable length:</b>	10 m (other lengths up on request)
<b>Temperature operating range:</b>	- 25 ... +55 °C
<b>Outputs:</b>	4 x relay, contact rating - 2 A/24 V, programable ON and OFF delays
<b>Alarms:</b>	adjustable max. alarm: red light + continuous sound signal adjustable pre alarm: yellow light + interrupted sound signal
<b>Sound signal (integrated buzzer)</b>	93 dB/30 cm
<b>Display update:</b>	every 2 sec
<b>Sensor bearings:</b>	2 x precision stainless steel Ball bearing
<b>Material:</b>	- sensor: AL, PA (Polyamide) - display unit: PC
<b>Dimensions - display unit:</b>	150 x 80 x 55 mm
<b>Weight - display unit:</b>	260 g
<b>Dimensions - wind speed sensor:</b>	Height 125 mm, overall diameter cup to cup 120 mm
<b>Dimensions - wind direction sensor:</b>	Height 240 mm, overall diameter 220 mm
<b>Weight:</b>	120 g (WS sensor), 260 g (WSD sensor), without cable
<b>Mounting:</b>	sensor mounts on a vertical pipe with ø20 mm diameter

#### ADDITIONAL FOR Y410W and Y410L

<b>Wi-Fi data transmission rate:</b>	every 2 seconds
<b>Wi-Fi transmission frequency:</b>	2,4 GHz
<b>Wi-Fi range:</b>	Up to 20 meters. It can varies with type of Wi-Fi router
<b>Bluetooth range:</b>	Up to 30 meters
<b>Navis LIVEDATA web interface URL:</b>	<a href="https://www.navis-livedata.com">https://www.navis-livedata.com</a>
<b>App on Google Play / Apple App Store:</b>	WINDY ANEMOMETER
<b>Analog signal outputs:</b>	2 x 4...20 mA (not isolated, common ground with power supply)

#### ADDITIONAL FOR W410L

<b>Logging:</b>	average and maximum wind speed, wind direction with battery backed up real time stamp
<b>Logging interval:</b>	selectable: 10 s, 1 min, 10 min, 60 min
<b>Data recording:</b>	minimum 12 months, .txt data format
<b>Memory card:</b>	micro SD (enclosed)



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

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