



NAVIS

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 * *

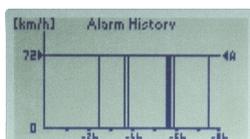
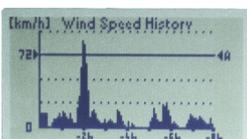
FUNCTIONS

- 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

HISTORY DISPLAYS



* depends on the model

** optional accessories



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COMPATIBLE SENSORS:



Y410 WS sensor



Y410 WSD sensor

ORDERING:

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



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



OPTIONAL ACCESSORIES

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





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TECHNICAL DATA

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

ADDITIONAL FOR Y410W and Y410L

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
Bluetooth range:	Up to 30 meters
Navis LIVEDATA web interface URL:	https://www.navis-livedata.com
App on Google Play / Apple App Store:	WINDY ANEMOMETER
Analog signal outputs:	2 x 4...20 mA (not isolated, common ground with power supply)

ADDITIONAL FOR W410L

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



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

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