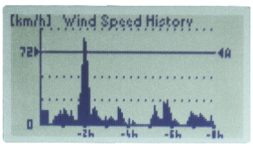
ANEMOMETER WITH ALARMS FOR CONSTRUCTION SITES AND INDUSTRY

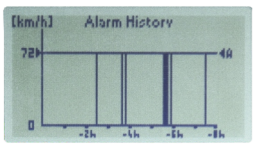
Y410, Y410W, Y410L

FEATURES

- wind speed or winds speed/wind direction sensor
- shock proof, user replaceable anemometer cups
- replaceable sensor bearings
- backlighted 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 notiffications * *

HISTORY DISPLAYS





FUNCTIONS

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

Crane Safety Products| sales@cranesafetyproducts.com.au | www.cranesafetyproducts.com.au | 02 4504 8624

Crane Safety Products
Innovating Safety Across Every Site.

COMPATIBLE SENSORS:

Y410 WS sensor

Y410 WSD sensor

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

Individual Wind tunnel certificated on ALL sensors Sold

1

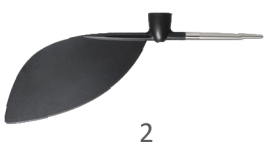
2

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, ...)

Live Dash Board Example URL
https://www.navis-livedata.com/

SPARE PARTS
1 Spare anemometercups
2 Spare wind vane
3 WS sensor headwithbearings
4 WSD sensor headwithbearings

1



2

3

4

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

5

6

Crane Safety Products| sales@cranesafetyproducts.com.au | www.cranesafetyproducts.com.au | 02 4504 8624

Crane Safety Products
Innovating Safety Across Every Site.

TECHNICAL DATA

Wind speed measurement range:	0,6 - 50,0 m/s
Wind direc onmeasurement range:	0° - 359° no blank sector, contactless magne c measuring principle
Wind speed resolu on:	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 averagingperiod:	10s
Wind speed units:	m/s, km/h, knots, mph
Operating voltage:	12-24VDC
Power consumption:	max. 300 mA
Sensor cablelength:	10 m (other lengths up on request)
Temperature operating range:	- 25 ... +55 °C
Outputs:	4xrelay,contactrating-2A/24V,programable ON and OFF delays
Alarms:	adjustablemax.alarm:redlight+continuous sound signal adjustableprealarm:yellowlight+interrupted sound signal
Sound signal (integrated buzzer)	93dB/30 cm
Display update:	every 2 sec
Sensor bearings:	2 x precision stainless steel Ball bearing
Material: -sensor:	AL, PA (Polyamide)
-displayunit:	PC
Dimensions - display unit:	150 x 80 x 55 mm
Weight - displayunit:	260g
Dimensions - windspeedsensor:	Height125mm,overalldiametercuptocup 120 mm
Dimensions - winddirectionsensor:	Height 240 mm, overall diameter 220 mm
Weight:	120g(WSsensor),260g(WSDsensor),without cable
Mounting:	sensormountsonaverticalpipewithø20 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 webinterfaceURL:	https://www.navis-livedata.com
App onGoogle Play/AppleAppStore:	WINDY ANEMOMETER
Analogsignal outputs:	2 x 4...20 mA (not isolated, common ground with power supply)

ADDITIONAL FOR W410L

Log ging:	average and maximum wind speed, wind direc on with ba ery backed up real me 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.

030822

Crane Safety Products| sales@cranesafetyproducts.com.au | www.cranesafetyproducts.com.au | 02 4504 8624

Crane Safety Products
Innovating Safety Across Every Site.