

ANEMOMETER WITH ALARMS FOR CONSTRUCTION SITES AND INDUSTRY

Y410
Y410B



FEATURES

- wind speed or winds speed + wind direction sensors
- protection against lightning
- shock proof, user replaceable anemometer cups
- replaceable sensor bearings
- back lighted 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
- Bluetooth output signal for smart devices via free application (Y410B model)

FUNCTIONS

- current wind speed
- 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
- programmable alarm relays with adjustable ON and OFF delays

HISTORY DISPLAYS



APPLICATIONS

- crane applications
- lift applications
- all applications where wind alarm is needed



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COMPATIBLE SENSORS:



Y410 WS sensor



Y410 WSD sensor

ORDERING:

- 1 **Y410/WS** display unit, WS sensor
- 2 **Y410B/WS** display unit, WS sensor, BLE compatibility
- 3 **Y410/WSD** display unit, WSD sensor
- 4 **Y410B/WSD** display unit, WSD sensor, BLE compatibility



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OPTIONS

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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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 possible)
Temperature operating range:	-25 ... +60 °C
Outputs:	4 x relay, contact rating - 2 A/5 V
Alarms:	adjustable max. alarm: red light + continuous sound signal adjustable pre alarm: yellow light + interrupted sound signal
Sound signal (integrated buzzer):	90 dB/30 cm
Display update:	every 2 sec
Sensor bearings:	2 x precision stainless steel Ball bearing
Material:	- sensor housing: AL - cups (replaceable): PA (Polyamide) - wind vane : Carbon/Al - 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 - sensor with cable:	500 g
Mounting:	sensor mounts on a vertical pipe with \varnothing 20 mm diameter

ADDITIONAL FOR Y410B

Transmission distance from display unit to smartphone :	up to 30 m
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Android application requires device with 4.3 OS or newer with Bluetooth BLE.

