

WIRELESS ANEMOMETER WITH ALARMS FOR CONSTRUCTION SITES AND INDUSTRY

☒ ○410/BAT

☒ ○410BX/BAT



FEATURES

- battery powered receiver unit
- up to 1 year receiver battery life
- up to 4 years sensor battery life
- integrated alarm and pre-alarm warning lights
- built-in audible alarm
- extremely easy mounting due to wireless sensor and magnetic mounting
- long range - up to 500 m (1300 m at SWS-410XB/BAT model)
- self-leveling sensor mounting (accessories)
- magnetic mounting of sensor (accessories)
- magnetic mounting of receiver (accessories)
- shock proof, user replaceable anemometer cups
- Bluetooth output signal for smart phones and tablets via free App (SWS-410XB/BAT)

FUNCTIONS

- current wind speed
- bar graph for current wind speed
- bar graph for peak wind speed in last 2 minutes
- alarm and pre-alarm warning lights with sound alarm
- 8 h wind speed history graph
- 8 h alarm history
- temperature

APPLICATIONS

- crane applications
 - mobile cranes
 - tower cranes
 - bridge cranes
- lift applications
- all applications where wind speed alarm is needed



SENSOR MOUNTING ACCESSORIES:

- self leveling mounting assembly
- magnetic mounting assembly
- magnetic self leveling mounting assembly

SPARE PARTS:

- spare anemometer rotor



ACCESSORIES:

- magnetic receiver mounting assembly
- external antenna with 4 m cable, magnetic mounting
- YAGI antenna with 3 m cable

OPTIONS:

- wind tunnel certificate version available
- 50 Ohm sensor output for connecting the external antenna (SMA connector)

TECHNICAL DATA

Measurement range:	0,6 - 50,0 m/s
Unit of measurement:	m/s, km/h, knots, mph
Averaging period:	selectable 2 s, 10 s, 30 s
Transmission distance:	type SWS-410/BAT up to 500 m type SWS-410XB/BAT up to 1300 m with 2 yagi antenna: 5-8 x nominal range
Operating Frequency:	868 MHz, optionally 908 Mhz
Temperature operating range:	-25 ... +60 °C
Alarms:	adjustable max. alarm red light + continuous sound signal adjustable pre alarm yellow light + interrupted sound signal
Sound signal (integrated buzzer):	93dB/30cm
Antenna input (receiver):	50 Ohm, SMA connector
Data transmission rate:	every 2 sec
Resolution:	0,1 m/s
Accuracy:	+/- 3 %
Battery - receiver:	3 x 1,5 V C type alkaline battery (LR14)
Battery life receiver:	up to 1 year
Battery - sensor (changeable):	3,6 V AA Lithium battery, enclosed
Battery life sensor:	up to 4 years (up to 3 years at SWS-410XB model)
Sensor bearings:	2 x precision stainless steel Ball bearing
Material:	- sensor housing: AL/PVC - cups (replaceable): PA (NYLON) - casing - receiver: ABS, IP65
Dimensions - receiver:	150 x 80 x 55 mm
Weight - receiver:	230 g
Dimensions - sensor:	Height 210 mm, overall diameter cup to cup 120 mm
Weight - sensor:	140 g
Mounting:	sensor mounts on a pipe with ø20 mm diameter

ADDITIONAL FOR SWS-410XB/BAT

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.



MODELS

- SWS-410/BAT
- SWS-410XB/BAT (extended range, smartphone compatibility)