

skyview

the **weather** company

Skyview Systems Ltd. Tel: +44 (0)1787 883138
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FOR CONSTRUCTION SITES AND INDUSTRY

WSM W410
WSM W410XB



FEATURES

- extremely easy mounting due to wireless sensor and magnetic mounting
- long range - up to 500 m (1300 m at W410XB model)
- up to 4 years sensor battery life
- integrated alarm and pre-alarm warning lights
- built-in audible alarm
- 3 programable alarm relay outputs
- back lighted graphic LCD with large numbers
- magnetic mounting of sensor (accessories)
- self-leveling sensor mounting (accessories)
- magnetic mounting of receiver (accessories)
- shock proof, user replaceable anemometer cups
- Bluetooth output signal for smart phones and tablets via free App (W410XB)

FUNCTIONS

- current wind speed
- 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
- temperature
- 3 programable alarm relays with adjustable ON and OFF delays

APPLICATIONS

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

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SENSOR MOUNTING ACCESSORIES:

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

SPARE PARTS:

- spare anemometer rotor
- spare sensor

ACCESSORIES:

- receiver magnetic 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)
- additional receiver unit

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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 WSM W410 up to 500 m type WSM W410XB up to 1300 m with 2 yagi antenna: 5-8 x nominal range
Operating voltage:	12 - 24 V DC
Power consumption:	max. 300 mA
Operating Frequency:	868 MHz, optionally 908 Mhz
Temperature operating range:	-25 ... +60 °C
Outputs:	3x relay, contact rating 2 A/24 V
Signal output (type WSM W410/4-20mA):	4...20 mA, (not isolated, common ground with supply) 4 mA = 0 m/s 20 mA = programmable 10 - 50 m/s
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
Antenna input (receiver):	50 Ohm, SMA connector
Data transmission rate:	every 2 sec
Resolution:	0,1 m/s
Accuracy:	+/- 3 %
Battery - sensor (changeable):	3,6 V AA Lithium battery, enclosed
Battery life:	up to 5 years (up to 3 years at WSM W410XB 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:	260 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 WSM W410XB

Transmission distance from display unit
to smartphone : up to 30 m

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



MODELS

- WSM W410: 3 x relay outputs
- WSM W410/4-20mA: 3 x relay + 4-20 mA outputs

- WSM W410XB: 3 x relay outputs, extended range, smartphone compatibility
- WSM W410XB/4-20mA: 3 x relay outputs + 4-20 mA output, extended range, smartphone compatibility