

Bigfoot Wind Meters

Wireless Anemometers & Displays with Alarms

Models

WSM W410 (3 x Relay Outputs)

WSM W410X (Extended range, 3 x relay outputs)

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

WSM W410X/4-20mA (Extended range 3 x relay + 4-20 mA outputs)

WSM W410 BAT/M

Accessories

- Magnetic mounting assembly
- Magnetic and self leveling mounting assembly
- Magnetic receiver mounting assembly
- External warning lights with siren
- 50 Ohm sensor output for connecting the external antenna (SMA connector)
- YAGI Long Range Antenna (5-8 X nominal range)

Spare Parts

- Spare anemometer cups
- Spare wind vane

Bluetooth

- Exclusive use of WINDY™ smart phone application*
- Parallel display up to 100 m from display unit

* Smartphone app not applicable to all units

Wind Data Evolved

“With its simple installation, calibration, ease of use, and a new smart phone application, Bigfoot stands alone as the leader in anemometers.”

JAMIE SHEAFF

President, Skylink Enterprises



Bigfoot Wind Meters

Technical Data



Features

- Wireless sensor and magnetic mounting
- Long range, up to 500 m (1300 m w/W410X)
- Up to 5 years sensor battery life
- Alarm and pre-alarm warning lights
- Built-in audible alarm
- 3 programmable alarm relay outputs
- Back-lit graphic LCD
- Magnetic sensor mounting (accessory)
- Self leveling sensor mounting (accessory)
- Optional wireless repeater/recorder

Functions

- Current wind speed
- Bar graph for current wind speed
- Bar graph for peak wind speed in last 2 min
- 3 programmable alarm relays with adjustable ON OFF delays
- 8 h wind speed and alarm history graph
- Temperature

Applications

- Mobile, tower and bridge crane applications
- Lift applications
- Wherever wind speed alarm is needed

Measurement Range	0,8-50,0 m/s	Sound Signal	85-90 dB
Unit of Measurement	m/s, km/h, knots, mph	Antenna Input	50 Ohm, SMA connector
Averaging Period	Selectable: 2 s, 10 s, 30 s	Data Transmitting	Every 2 seconds
Operating Voltage	12-24 V DC	Resolution	0,1 m/s
Power Consumption	Max 300 mA	Accuracy	+/- 3%
WSM W410 Transm Dist.	Up to 500 m	Sensor Battery	3,6 V AA Lithium batter, enclosed
WSM W410X Transm Dist.	Up to 1300 m	Battery Life	Up to 5 years (3 years on WSM W410X)
Transm Dist. W/ 2 Yagi Antennas	5-8x nominal range	Sensor Bearings	2x precision SS ball bearings
Operating Frequency	868 MHz, optionally 908 MHz	Sensor Housing	AL/PVC
Temp Operating Range	-25°...+60°C	Sensor Cups (Replaceable)	PA (NYLON)
Outputs	3 x relay, 2 A/24 V	Casing Receiver	ABS, Ip65
WSM W410/4-20mA Signal Output	4...20 mA	Receiver Dimensions	150 x 80 x 55 mm
	4 mA= 1 m/s	Sensor Dimensions	210 mm H, overall dia 120 mm
	20 mA = programmable 10-50 m/s	Mounting	Mounted on 20 mm dia pipe

