

SD-W01

Smart Wind-Sensor

Smart and cost-effective Wind-Sensor, which can be used in many areas for measuring the wind speed and wind direction. It has Bluetooth wireless connectivity for reporting the measurement results. It is battery powered with off-the-shelf AA Alkaline batteries.



Specifications:

BLUETOOTH

- BLE5.0
- Broadcast Distance 100m

SENSOR

- Wind Measurement Sensor
 - Speed Range : 0 ~ 25m/s
 - Speed Accuracy : +/- 1.5m/s
 - Direction Accuracy : +/- 10 Deg
- E-Compass for auto-direction alignment

BATTERY

- Non-chargeable Alkaline battery
- 3 pieces AA size
- Operating Time: more than 1 year (Using LR6 AA batteries)

LEDs

- Three color LED lights

INTERFACE IOs

- Dip Switch (Power on)

ENVIRONMENTAL

- Operation Temperature: -20°C to +60°C
- Storage Temperature: -40°C to +85°C

PHYSICAL

- Dimensions: 75 (W) x 75 (L) x 121 (H) mm
- Weight: 170 (g)

APPROVALS

- FCC
- IC

FCC Regulations

- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
 - This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.
 - Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. To comply with FCC RF Exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for the transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

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