

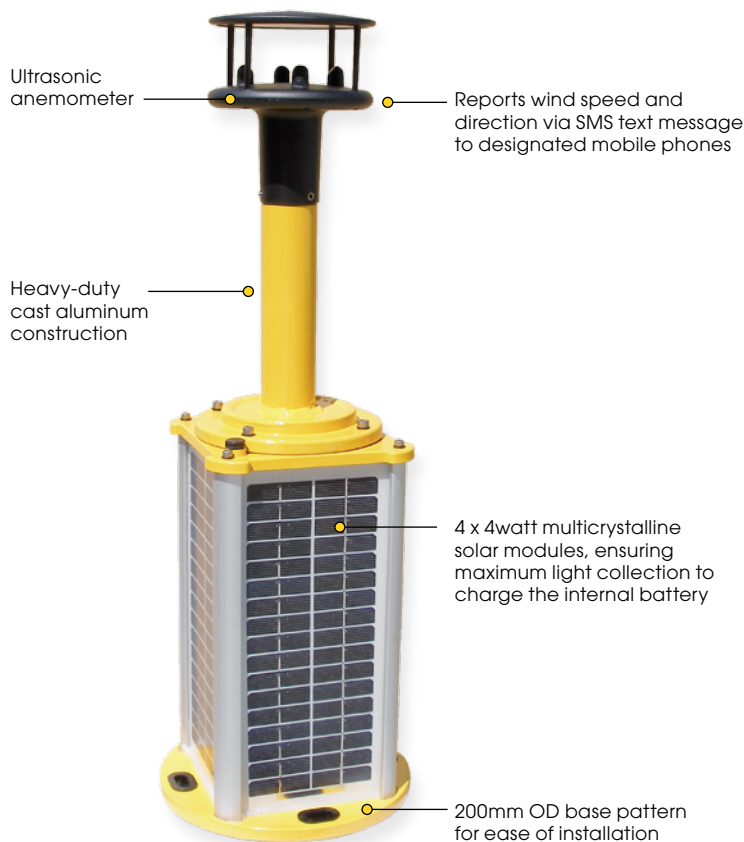
# WindTalker™ Solar-Powered Ultrasonic Anemometer with GSM

## Typical Applications

- Agriculture
- HVAC
- Pollution control
- Portable weather stations
- Roadside weather stations
- Tunnels
- Marine

## Major Benefits

- Monitor wind speed and direction via SMS from a single unit
- Completely self-contained (no external wiring)
- Real time information from anywhere in the world
- GSM network- universal standard for mobile communication
- Corrosion free, UV stabilized material
- All weather sensing technology
- True 0-359° operation (no dead band)
- Ideal for applications that demand economic wind sensing
- Extremely low maintenance

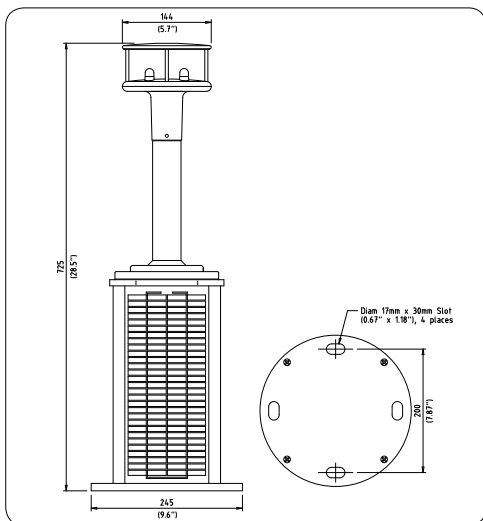


**The Avlite Systems' WindTalker™ is a solar-powered remote anemometer, enabling users to remotely monitor the current wind speed and direction via SMS text message, any time, any where.**

The four 4watt multicrystalline solar modules recharge the internal battery to power the ultrasonic anemometer - allowing the unit to be completely self-contained and operate independent from other power sources.

Designated users simply send an SMS text message to the wind monitor, and receive an automatic reply from the unit indicating accurate wind speed and direction.

The ultrasonic anemometer is corrosion-free, and utilizes all-weather sensing technology - making the unit ideal for land-based and marine environments.



Wind report shows the average wind speed and direction readings over 2 minutes are 5knots North 357 degrees

Average wind gust over 10 minutes is 14knots North 11 degrees

SMS text message with Wind Report

## SPECIFICATIONS •

### Anemometer Characteristics

Wind Speed Range 0-116 knots  
 Wind Direction Range 0-359° (no dead band)  
 Operating Temperature -35°C to +70°C  
 Moisture Protection IP65  
 External Construction Polycarbonate  
 NMEA O/P Yes  
 Charging Internal regulator

### Electrical Characteristics

Current Draw (mA) 40mA at 12v (approx)  
 Circuit Protection Integrated  
 Operating Voltage (v) 12  
 Autonomy (days) 10  
 Temperature Range -40 to 80 °C

### Solar Characteristics

Solar Module Type Multicrystalline  
 Output (watts) 16 (4 x 4watt)  
 Solar Module Efficiency (%) 14  
 Charging Regulation Microprocessor controlled

### Power Supply

Battery Type SLA (Sealed Lead Acid)  
 Battery Capacity (Ah) 15  
 Nominal Voltage (v) 12

### Physical Characteristics

Body Material 7-stage powder-coated aluminum  
 Mounting 4x 17mm holes on 200 PCD  
 Height (mm/inches) 725 / 28 1/2  
 Width (mm/inches) 245 / 9 2/3  
 Mass (kg/lbs) 7.5 / 16 1/2  
 Product Life Expectancy Up to 12 years

### Certifications

CE EN61000-6-2:2001. EN61000-6-3:2001  
 Quality Assurance ISO9001:2000

### Intellectual Property

Trademarks AVLITE® is a registered trademark of Avlite systems

### Warranty

Full 1 year warranty

CE

• Specifications subject to change or variation without notice