

WINDTALKER

Solar Powered Ultrasonic Anemometer with GSM

Typical Applications

- ▶ Agriculture
- ▶ HVAC
- ▶ Pollution Control
- ▶ Portable Weather Stations
- ▶ Roadside Weather Stations
- ▶ Tunnels
- ▶ Marine
- ▶ Windsurfing/Kiteboarding Clubs

Major benefits

- ▶ Monitor wind speed & direction using any cell-phone or secure web site user-portal login
- ▶ Completely self-contained
- ▶ Real time information
- ▶ GSM network—universal standard for mobile communication
- ▶ Corrosion free, UV-stabilised material
- ▶ All weather sensing technology
- ▶ True 0-359° operation (no dead band)
- ▶ Ideal for applications that demand economic wind sensing.



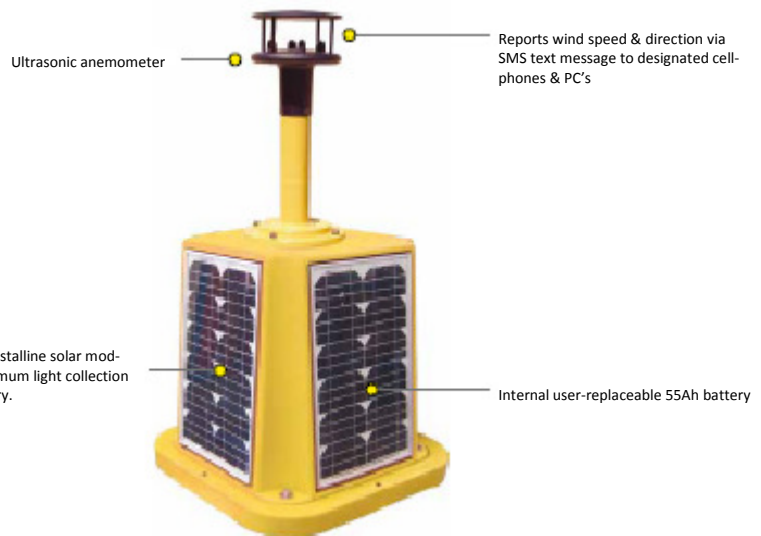
Motorola Trusted Partner

Systems Interface Limited
Unit 71.5 Dunsfold Park
Cranleigh, Surrey, GU6 8TB
United Kingdom

Tel: +44(0)1483 267 066
www.systemsinterfaceltd.com



Total Turnkey Airport Solutions



Avlite's WindTalker™ is a solar-powered ultrasonic anemometer which enables users to remotely access real-time data and historical data about the wind speed and direction at the location of their installation via cell-phone (SMS message) or PC web portal interface.

The four 10 watt multicrystalline solar modules recharge the internally housed battery to power the ultrasonic anemometer—allowing the unit to be completely self-contained and operate independently from other power sources.

Designated users, such as maintenance personnel, 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 WindTalker™ has an internally integrated Motorola® cell-phone module and Avlite proprietary software to enable data transfer between the unit and designated user's cell-phone (via SMS message) or PC web interface.

Each WindTalker™ is fitted with its own SIM card, which provides a designated cell-phone contact number for each individual installation. Any network operator can be used providing they have GSM coverage. The ultrasonic anemometer is corrosion-free and utilises all-weather sensing technology making the unit ideal for land-based and marine environments.

WINDTALKER

Solar Powered Ultrasonic Anemometer with GSM

SPECIFICATIONS

Wind Speed

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

Circuit Protection	Integrated
Nominal Voltage (v)	12
Autonomy (days)	36
Temperature Range	-40 to 80°C

Solar Characteristics

Solar Module Type	Multicrystalline
Output (watts)	40 (4 x 10 watt)
Solar Module Efficiency (%)	14

Power Supply

Battery Type	SLA (Sealed Lead Acid)
Battery Capacity (Ah)	55
Nominal Voltage (v)	12
Battery Service Life	Average 5 years

Physical Characteristics

Body Material	Rotationally moulded UV-stabilised virgin polyethylene
Mounting	4 x 11mm mounting holes
Height (mm/inches)	923 / 36 ½
Width (mm/inches)	560 / 22
Mass (kg/lbs)	19 / 41 ¾
Product Life Expectancy	Up to 12 years

Certification

CE	EN61000-6-2:2001. EN61000-6-3:2001
Quality Assurance	ISO 9001:2000

Intellectual Property

Trademarks Avlite® is a registered trademark of Avlite Systems

Warranty

Full 1 year Warranty

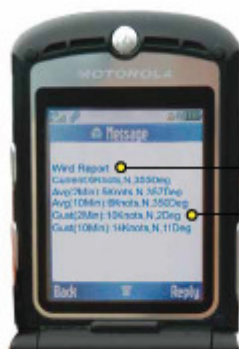
*Specifications subject to change or variation without notice

Systems Interface Limited
Unit 71.5 Dunsfold Park
Cranleigh, Surrey. GU6 8TB
United Kingdom

Tel: +44(0)1483 267 066
www.systemsinterfaceltd.com



Total Turnkey Airport Solutions



SMS text message with Wind report

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

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



Monitor wind speed & direction using sealite's secure website user-portal login