



Wind Speed & Direction Sensors

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All WindObserver sensors have an IP66 rated stainless steel construction. WindObservers are available with a range of mounting and connection options, and WindObserver IS has approval for use in hazardous petrochemical environments.

WindObserver 65

WindObserver 65 will monitor wind speeds up to 65m/s (145mph) and provides data via digital and optional analogue outputs. This wind sensor is particularly suitable for use in land based and marine environments.

- **Wind Speed Range** 65m/s (145mph)
- **Construction** Stainless Steel
- **Operational Temp** -55°C to +70°C
- **Weight** 1.4kg (50oz)
- **Heating Option** Standard Power
- **Environmental** IP66
- **Analogue Option** ±2.5V, 0.5V or 4-20mA



WindObserver 70

WindObserver 70 will monitor wind speeds up to 70m/s (157mph) and has been accepted for service by the FAA and CAA for reporting of surface wind in airport applications when supplied as part of a suitable AWOS

- **Wind Speed Range** 70m/s (157mph)
- **Construction** Stainless Steel
- **Operational Temp** -55°C to +70°C
- **Weight** 1.4kg (50oz)
- **Heating Option** High Power
- **Environmental** IP66

WindObserver 75

WindObserver 75 will monitor wind speeds up to 75m/s (168mph) and features 150 Watts of electrical heating power in the anemometer head. This sensor has been designed for use in freezing weather conditions.

- **Wind Speed Range** 75m/s (168mph)
- **Construction** Stainless Steel
- **Operational Temp** -55°C to +70°C
- **Weight** 1.4kg (50oz)
- **Heating Option** High Power
- **Environmental** IP66



Base mounting options

WindObserver 90

WindObserver 90 will monitor wind speeds up to 90m/s (201mph) and features a high power de-icing system together with a robust heavy duty design. The wind sensor is designed for use in tropical cyclones and in high altitude applications.

- **Wind Speed Range** 90m/s (201mph)
- **Construction** Stainless Steel
- **Operational Temp** -55°C to +70°C
- **Weight** 1.4kg (50oz)
- **Heating Option** High Power
- **Environmental** IP66

*Automatic Weather Observing System.

WindObserver IS

WindObserver IS carries Ex ia IIC T4 Ga and Ex ia IIIC T135°C Da IP66 certificates for ATEX and IECEx approvals for use in hazardous areas. This industrial anemometer will monitor wind speeds of 0-75m/s and is particularly suited to offshore oil platform applications. A choice of mains voltage (110V/220V) or DC voltage (12Vdc) power supplies are available. Both units provide power to and receive wind data from WindObserver IS.

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|---|------------------------------|
| ▪ Wind Speed Range* 75m/s (168mph) | ▪ Weight 1.6kg (57oz) |
| ▪ Construction Stainless Steel | ▪ Heating Option None |
| ▪ Operational Temp -30°C to +70°C | ▪ Environmental IP66 |

*Anemometer only.



WindSonic, WindSonic 75 and WindSonic M are low-cost ultrasonic wind speed & direction sensors, monitoring wind speeds up to 75m/s. WindSonic M features an IP66 rated, hard anodised aluminium construction with a heating option for cold environments. All units are supplied with a 2 year warranty.

WindSonic



WindSonic will monitor wind speeds up to 0-60m/s (134mph) in a lightweight, corrosion-free polycarbonate housing and is particularly suited to marine/offshore (ships, data buoys) and land based installations.

- **Max Wind Speed** 60m/s (134mph)
- **Construction** Luran
- **Operational Temp** -35°C to +70°C
- **Weight** 0.5kg (18oz)
- **Heating Option** None
- **Analogue Option** 0.5V, 0-20mA or 4-20mA
- **Environmental** IP66

WindSonic 75



WindSonic 75 will monitor wind speeds up to 0-75m/s (168mph) in a lightweight, corrosion-free polycarbonate housing and is particularly suited to marine/offshore (ships, data buoys) and land based installations.

- **Max Wind Speed** 75m/s (168mph)
- **Construction** Luran
- **Operational Temp** -35°C to +70°C
- **Weight** 0.5kg (18oz)
- **Heating Option** None
- **Analogue Option** 0.5V, 0-20mA or 4-20mA
- **Environmental** IP66

WindSonic M

WindSonic M, with an impact resistant, hard-anodised aluminium housing, will monitor wind speeds up to 60m/s (134mph). With an optional heating system providing enhanced performance at temperatures as low as -40°C, the sensor is particularly suited to harsher industrial conditions.

- **Wind Speed Range** 60m/s (134mph)
- **Construction** Aluminium
- **Operational Temp** -40°C to +70°C
- **Weight** 0.9kg (32oz)
- **Heating Option** Standard Power
- **Analogue Option** 0.5V, 0-20mA or 4-20mA
- **Environmental** IP66, impact resistant to UL2218 Class 1





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