

GILL

Wind Speed & Direction Sensors
Compact Weather Stations



gillinstruments.com

WindObserver

Wind Speed & Direction Sensors for Extreme Conditions

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.

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

*Anemometer only.



WindSonic

Compact and Lightweight Wind Speed & Direction Sensors

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

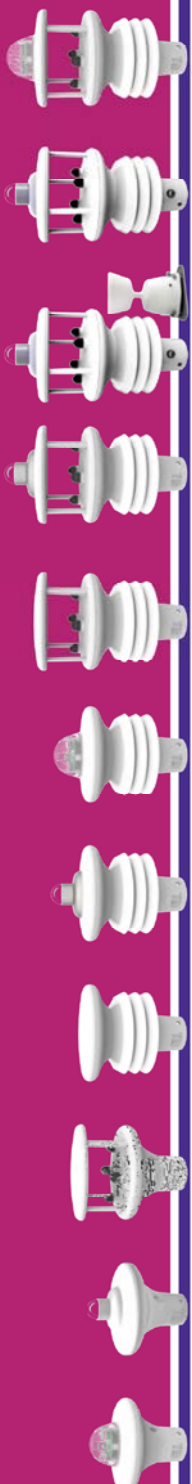
WindSonic M, with an impact resistant, hard-anodised aluminium housing, will monitor wind speeds up to 60m/s (134mph). With an optional heating system providing enhanced performance at temperatures as low as -40°C, the sensor is particularly suited to harsher industrial conditions.

- **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



MaxiMet

Features & Specifications



GMX 100 GMX 101 GMX 200 GMX 300 GMX 301 GMX 400 GMX 500 GMX 501 GMX 531 GMX 551 GMX 600

FEATURES	GMX 100	GMX 101	GMX 200	GMX 300	GMX 301	GMX 400	GMX 500	GMX 501	GMX 531	GMX 551	GMX 600
LOW Power Consumption All MaxiMet models feature low power Eco Mode											
WIND											
Wind speed corrected*											
Wind direction apparent											
Wind direction true*											
Wind chill											
Wind data quality indicator											
Wind gust WMO standard											
Wind averaging WMO standard											
TEMP / RH / PRESSURE											
Heat index											
Air density (kg/m ³)											
Absolute humidity (g/m ³)											
Wet bulb temperature											
Mean sea level pressure											
PRECIP											
24 hr total precipitation											
Precipitation Yes / No											
Precipitation rate											
SOLAR											
24-hr sunshine hours											
Sunrise / sunset**											
Position of sun**											
Twilight**											
Solar noon**											
Angle of tilt											
Calibration data											
Manual input GPS											
DIRECTION / POSITION											
Compass Provides apparent wind for stationary stations											
GPS Provides lat/long/altitude/ground speed/true wind as well as position necessary for other derived parameters											
POWER & OUTPUTS											
Serial RS232, RS422, RS485, SDI-12, ASCII, NMEA, MODBUS											
Analogue											
Low power Eco Mode											

● Included ○ Optional * Requires GPS + Requires manual input if no GPS

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