



GILL

**MaxiMet**

Compact Weather Stations

[gillinstruments.com](http://gillinstruments.com)

**MaxiMet** is an advanced compact weather station, designed and manufactured by Gill Instruments using proven technology to measure meteorological and environmental parameters to international standards.

MaxiMet incorporates all the measurement parameters that meet the requirements of users in demanding applications where cost, quality and performance are essential.

With features such as wind, precipitation, solar radiation, temperature, humidity, pressure, low power 'Eco Mode', GPS, compass and many more, MaxiMet is unique in its ability to provide the widest number of measurements and output protocol options which makes it easy to install, easy to use and is maintenance free.

**MaxiMet is the weather station chosen for any application by customers who want a cost-effective and reliable compact weather station.**

### KEY BENEFITS

Consistent high-quality measurements

Measure all parameters with a single instrument

Cost effective

Gill proven quality and reliability

Plug and play

Easy-to-use software

Easy installation

Robust construction

No moving parts

Maintenance free

Access to Gill customer support

## KEY FEATURES

**Compact Weather Station**

**Integrated Design**

**Wide Range of Models to Suit Every Application**

**Measurements to International Standards: WMO, ISO 9060, ISO 16622**

**Low Power Eco Mode**

**Widest Range of Parameters\***

**Maintenance Free – No Moving Parts**

**Protocols:** Modbus, SDI-12, NMEA, ASCII, Analogue (optional)

\* wind speed and direction, air temperature, relative/absolute humidity, pressure, precipitation, solar radiation, GPS 3D coordinate/MSL pressure/true wind/clock/longitude and latitude, ground speed, compass 2D coordinate/apparent wind, location, height above sea level, averaging (WMO), gust (WMO), barometric pressure, dew point, wind data quality and more...

## APPLICATIONS

### **Building and Industrial Controls**

Green environmental controls, intelligent building management, heating ventilation and air conditioning (HVAC), environmental monitoring, risk mitigation, decision making, planning, resources management, pollution control.

### **Authorities**

Flood management, recreational activities, safety and environmental management, parks and recreational facilities.

### **Transport**

Railways, harbours, roads, bridges, tunnels, airports, helipads, inland waterways.

### **Coastal**

General marine usage, ports and harbours, flood management, commercial and domestic usage.

### **Agricultural**

Cultivation and management of plants and animals, crop spraying, greenhouse controls, hydroponics, aquaponics, biotechnology, pest control, automated systems, forecasting.

### **Safety**

Theme parks, scaffolding, ride safety, operation time maximisation, temporary installations.

### **Educational**

Educational weather stations, green energy projects, schools, universities, museums, visitor centres, cultural sites.

### **Commercial**

Insurance risk management, integration with complementary technology, eg dust and noise.

### **Energy**

Site profiling, yield monitoring, forecasting, automated controls.

### **Safety and Environment**

### **Statutory Obligations**

### **Land/Sea/Air**

### **Onshore and Offshore**

### **Farming and Research**

### **Event Management**

### **Schools and Colleges**

### **Extreme Weather**


### **Solar/Wind**

# MaxiMet

## Features & Specifications



GMX 100 GMX 101 GMX 200 GMX 300 GMX 301 GMX 400 GMX 500 GMX 501 GMX 531 GMX 541 GMX 550 GMX 551 GMX 600

FEATURES	 MaxiMet models feature low power Eco Mode												
	Precipitation	Solar Radiation Inclinometer	Wind	Temperature Humidity Pressure	Temperature Humidity Pressure Solar Radiation	Temperature Humidity Pressure Precipitation	Wind Temperature Humidity Pressure	Wind Temperature Humidity Pressure Solar Radiation	Wind Temperature Humidity Pressure Precipitation Solar Radiation Inclinometer	Wind Temperature Humidity Pressure Precipitation Solar Radiation Inclinometer	Wind Temperature Humidity Pressure Precipitation Ready Inclinometer	Wind Temperature Humidity Pressure Solar Radiation Precipitation Ready Inclinometer	Wind Temperature Humidity Pressure Precipitation
Wind speed corrected*			○				○	○	○	○	○	○	○
Wind direction apparent			●				●	●	●	●	●	●	●
Wind direction true*			○				○	○	○	○	○	○	○
Wind chill							●	●	●	●	●	●	●
Wind data quality indicator			●				●	●	●	●	●	●	●
Wind gust WMO standard			●				●	●	●	●	●	●	●
Wind averaging WMO standard			●				●	●	●	●	●	●	●
Heat index							●	●	●	●	●	●	●
Air density (kg/m <sup>3</sup> )							●	●	●	●	●	●	●
Absolute humidity (g/m <sup>3</sup> )				●	●	●	●	●	●	●	●	●	●
Wet bulb temperature							●	●	●	●	●	●	●
Mean sea level pressure				●	●	●	●	●	●	●	●	●	●
24 hr total precipitation	●					●		●	●	●	○	○	●
Precipitation Yes / No	●					●		●	●	●	○	○	●
Precipitation rate	●					●		●	●	●	○	○	●
24hr sunshine hours		●			●			●	●	●	●	●	●
Sunrise / sunset**		●						●	●	●	●	●	●
Position of sun**		●						●	●	●	●	●	●
Twilight**		●						●	●	●	●	●	●
Solar noon**		●						●	●	●	●	●	●
Angle of tilt (Inclinometer)		●						●	●	●	●	●	●
Customer Text Field		●						●	●	●	●	●	●
Manual input of location		●						●	●	●	●	●	●
<b>Compass</b> - Provides apparent wind for stationary stations			●				●	●	●	●	●	●	●
<b>GPS</b> - Provides lat/long/altitude/ ground speed/ true wind as well as position necessary for other derived parameters			○				○	○	○	○	○	○	○
Serial RS232, RS422, RS485, ASCII, NMEA, MODBUS	●	●	●	●	●	●	●	●	●	●	●	●	●
Low power Eco Mode	●		●	●	●	●	●	●	●	●	●	●	●

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

# GILL

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