



# GILL

## MaxiMet

Compact Weather Stations



**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

# MaxiMet

## Features & Specifications



		GMX 100	GMX 101	GMX 200	GMX 240	GMX 300	GMX 301
FEATURES	 MaxiMet models feature low power Eco Mode	Precipitation Inclinator	Solar-Radiation Inclinator	Wind Inclinator	Wind Precipitation Inclinator	Temperature Humidity Pressure Inclinator	Temperature Humidity Pressure Solar-Radiation Inclinator
WIND	Wind direction apparent			●	●		
	Wind direction true*			○	○		
	Wind chill						
	Wind data quality indicator			●	●		
	Wind gust WMO standard			●	●		
TEMP / RH / PRESSURE	Wind averaging WMO standard			●	●		
	Heat index					●	●
	Air density (kg/m <sup>3</sup> )					●	●
	Absolute humidity (g/m <sup>3</sup> )					●	●
	Wet bulb temperature					●	●
PRECIP	Mean sea level pressure					●	●
	24 hr total precipitation	● <sup>1</sup>			● <sup>1</sup>		
	Precipitation Yes / No	●			●		
	Precipitation rate	● <sup>1</sup>			● <sup>1</sup>		
SOLAR	24hr sunshine hours		●				●
	Sunrise / sunset**	●	●	●	●	●	●
	Position of sun**	●	●	●	●	●	●
	Twilight**	●	●	●	●	●	●
	Solar noon**	●	●	●	●	●	●
	Angle of tilt (Inclinator)	●	●	●	●	●	●
	Customer Text Field	●	●	●	●	●	●
	Manual input of location	●	●	●	●	●	●
POWER & OUTPUTS	<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 SDI-12 Low Power Eco Mode	●	●	●	●	●	●

● Included

○ Optional

\* Requires GPS

+ Requires manual input if no GPS



GMX 400	GMX 500	GMX 501	GMX 531	GMX 541	GMX 550	GMX 551	GMX 600
Temperature Humidity Pressure Precipitation Inclinometer	Wind Temperature Humidity Pressure Inclinometer	Wind Temperature Humidity Pressure Solar- Radiation Inclinometer	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 Inclinometer
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● <sup>1</sup> ● ● <sup>1</sup>			● <sup>2</sup> ● ● <sup>2</sup>	● <sup>1</sup> ● ● <sup>1</sup>	○ <sup>2</sup> ○ ○ <sup>2</sup>	○ <sup>2</sup> ○ ○ <sup>2</sup>	● <sup>1</sup> ● ● <sup>1</sup>
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	●  ○	●  ○	●  ○	●  ○	●  ○	●  ○	●  ○
● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●

<sup>1</sup>General indication

<sup>2</sup>Reference quality

## 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.

### ***Safety and Environment***

### **Authorities**

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

### ***Statutory Obligations***

### **Transport**

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

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

### **Coastal**

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

### ***Onshore and Offshore***

### **Agricultural**

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

### ***Farming and Research***

### **Safety**

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

### ***Event Management***

### **Educational**

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

### ***Schools and Colleges***

### **Commercial**

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

### ***Extreme Weather***

### **Energy**

Site profiling, yield monitoring, forecasting, automated controls.

### ***Solar/Wind***



# GILL

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