



GILL

MaxiMet

Compact Weather Stations

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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	Low Power Consumption MaxiMet models feature low power Eco Mode	Precipitation Incliner	Solar-Radiation Incliner	Wind Incliner	Wind Precipitation Incliner	Temperature Humidity Pressure Incliner
						Temperature Humidity Pressure Solar-Radiation Incliner
WIND	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	● ¹			● ¹	
	Precipitation Yes / No	●			●	
	Precipitation rate	● ¹			● ¹	
SOLAR	24hr sunshine hours		●			●
	Sunrise / sunset**	●	●	●	●	●
	Position of sun**	●	●	●	●	●
	Twilight**	●	●	●	●	●
	Solar noon**	●	●	●	●	●
	Angle of tilt (Incliner)	●	●	●	●	●
	Customer Text Field	●	●	●	●	●
	Manual input of location	●	●	●	●	●
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, 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
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Wind
Temperature
Humidity
Pressure
Precipitation-
Ready
Inclinometer

Wind
Temperature
Humidity
Pressure
Solar-
Radiation
Precipitation-
Ready
Inclinometer

Wind
Temperature
Humidity
Pressure
Precipitation
Inclinometer

	●	●	●	●	●	●	●
	○	○	○	○	○	○	○
	●	●	●	●	●	●	●
	●	●	●	●	●	●	●
	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
● ¹			● ²	● ¹	○ ²	○ ²	● ¹
●			●	●	○	○	●
● ¹			● ²	● ¹	○ ²	○ ²	● ¹
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	○	○	○	○	○	○	○
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●

¹General indication

²Reference 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.

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

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