GILL

MaxiMet

Compact Weather Stations

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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

KEY FEATURES

Compact Weather Station

Integrated Design

Wide Range of Models to Suit Every Application

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

Low Power Eco Mode

Widest Range of Parameters*

Maintenance Free – No Moving Parts

Protocols: **Modbus, SDI-12, NMEA, ASCII, Analogue**

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

Authorities ***Statutory Obligations***
Flood management, recreational activities, safety and environmental management, parks and recreational facilities.

Transport ***Land/Sea/Air***
Railways, harbours, roads, bridges, tunnels, airports, helipads, inland waterways.

Coastal ***Onshore and Offshore***
General marine usage, ports and harbours, flood management, commercial and domestic usage.

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

Safety ***Event Management***
Theme parks, scaffolding, ride safety, operation time maximisation, temporary installations.

Educational ***Schools and Colleges***
Educational weather stations, green energy projects, schools, universities, museums, visitor centres, cultural sites.

Commercial ***Extreme Weather***
Insurance risk management, integration with complementary technology, eg dust and noise.

Energy ***Solar/Wind***
Site profiling, yield monitoring, forecasting, automated controls.

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	Low Power Consumption *All 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 Solar Radiation Precipitation	Wind Temperature Humidity Pressure Solar Radiation Precipitation Ready	Wind Temperature Humidity Pressure Precipitation
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	24hr 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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