MaxiMet®

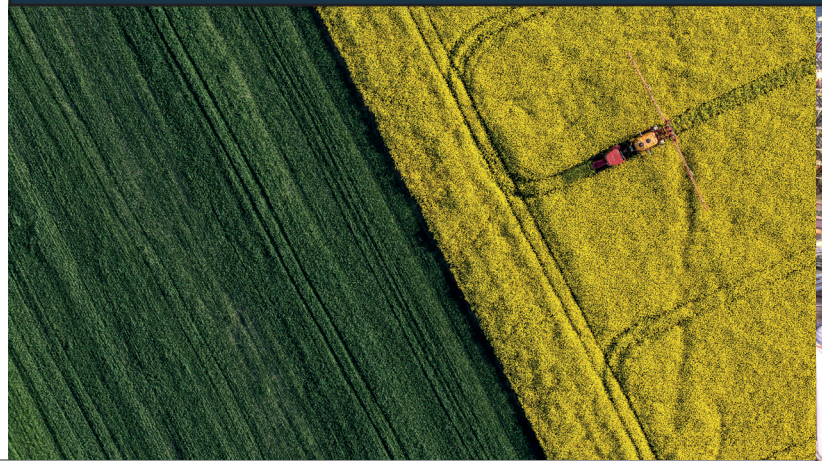
Compact
integrated
weather stations





NEW:

- ***MaxiMet Marine GMX260 & GMX560***
- ***Heating option on selected models***





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MaxiMet Explained

COMPACT AND EASY TO USE

MaxiMet is compact, robust and easy to install. Up to 6 environmental parameters can be measured using integrated sensors. The data collected is communicated in a single, time stamped output. Simple mounting options across the MaxiMet range allow for easy installation and integration with the host system.

WIDE RANGE OF MODELS

The MaxiMet range includes a variety of models offering different combinations of integrated sensors. The most appropriate model can be selected to suit the specific application, ensuring the required sensors are included, and without incorporating unnecessary sensors that might add cost or consume additional power.

FLEXIBLE CONFIGURATION

MaxiMet is designed to be configured to meet the requirements of the specific application. Using configuration software available from Gill, a number of attributes, including measurement units, communication protocols, parameter reporting order, and reporting frequency, can be modified.

ACCESSORIES

MaxiMet is supported by a range of accessories. These accessories enable the product to be configured, connected and installed easily. Sourcing any required accessories with the product makes the procurement process easier and provides confidence that the best performance will be achieved.

SUPPORT

MaxiMet comes with full support from Gill. This includes application assistance to help confirm that MaxiMet is the best product for the job and help to select the most appropriate model. Gill also offers technical support to deal with any queries raised during the configuration or operation of the product. Finally, should it be required, Gill offers a product calibration and repair service.



● Included
○ Optional



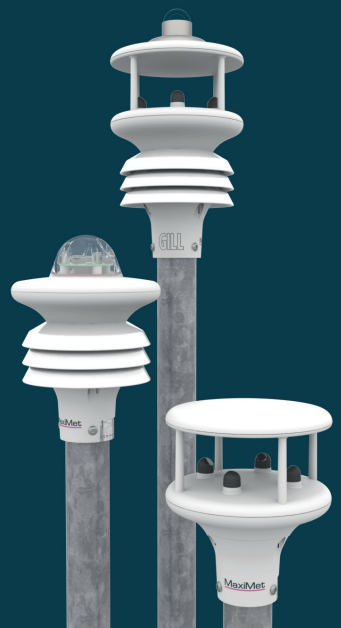
MaxiMet®

		GMX 200	GMX 240	GMX260	GMX 300	GMX 301	GMX 400	GMX 500	GMX 501	GMX 550	GMX 551	GMX 560	GMX 600
MEASUREMENTS	Wind speed	●	●	●				●	●	●	●	●	●
	Wind direction	●	●	●				●	●	●	●	●	●
	Compass	●	●					●	●	●	●		●
	6-axis compass			●								●	
	GPS	○	○	○				○	○	○	○	○	○
	Integrated rain sensor		●				●						●
	Remote rain sensor connection									●	●		
	Temperature				●	●	●	●	●	●	●	●	●
	Humidity				●	●	●	●	●	●	●	●	●
	Pressure				●	●	●	●	●	●	●	●	●
	Solar radiation					●			●		●		
OUTPUTS	RS232, RS422 ,RS485, SDI-12, NMEA, MODBUS	●	●	●	●	●	●	●	●	●	●	●	●
	Date & time in output data	●	●	●	●	●	●	●	●	●	●	●	●
	Measurement status in output data	●	●	●	●	●	●	●	●	●	●	●	●
	Configurable output format	●	●	●	●	●	●	●	●	●	●	●	●
FEATURES	High quality integrated sensors	●	●	●	●	●	●	●	●	●	●	●	●
	Single line data output	●	●	●	●	●	●	●	●	●	●	●	●
	Low power eco mode	●	●	●	●	●	●	●	●	●	●	●	●
	Heating							○	○	○	○	○	○
	IP66 environmental protection	●	●	●	●	●	●	●	●	●	●	●	●
	IP68 environmental protection			●								●	
	Minimal maintenance	●	●	●	●	●	●	●	●	●	●	●	●
SUPPORT	Supported by MetSet & MetView software	●	●	●	●	●	●	●	●	●	●	●	●
	Technical support	●	●	●	●	●	●	●	●	●	●	●	●
	Range of accessories	●	●	●	●	●	●	●	●	●	●	●	●
	Calibration	○	○	○	○	○	○	○	○	○	○	○	○

MaxiMet Applications

MaxiMet compact weather stations are easy to install and use for stand-alone measurements or to integrate into larger application specific systems. The broad product range allows customers to select the model or models most appropriate to their application.

MaxiMet is selected by small scale users, system designers and integrators for many diverse applications to provide measurement data to inform their systems of a range of environmental conditions. Gill has been able to share insight and provide support to large and small customers around the world to ensure that the integration is as easy and effective as possible.





Land and marine weather

MaxiMet is used by both commercial businesses and national weather administrations to monitor weather conditions in diverse locations including urban and rural environments, inland lakes and reservoirs to coastal waters and oceans.
These applications typically demand low power consumption, high reliability and robust construction.



Horticulture

MaxiMet has been integrated into horticulture monitoring and control systems by a number of system suppliers.
The systems range in complexity from simple data collection to more intelligent systems that control a growing environment by varying temperature, humidity and ventilation.



Pollution monitoring

MaxiMet is integrated into systems monitoring gas and particulate concentrations in the air.
The ability to measure wind, rain, temperature and humidity enable the observed pollutant measurements to be understood in the context of the wider environmental conditions experienced at the time of measurement.

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Building control & smart cities

MaxiMet is used across a wide range of building control and smart city applications.
The data collected is used for a wide range of purposes from controlling internal environments in buildings by controlling air conditioning and ventilation, to enabling city councils to focus road gritting in areas that are experiencing conditions most likely to cause road ice.



Autonomous & controlled marine vehicles

MaxiMet is being used in a number of development projects to measure marine weather conditions.
Measurements can be adjusted for any vessel movement using the optional integrated GPS receiver, and then recorded, or in some cases used to control the vessel. A number of projects from inland lake vessels to autonomous vessels designed to cross oceans have chosen MaxiMet as their weather sensor.



Land based vehicles

MaxiMet weather stations have been mounted on vehicles to measure local/micro weather conditions, with local wind being of particular interest in many applications.
In addition to the rugged construction, MaxiMet benefits from the option of integrated GPS and compass allowing true wind (wind measurement after compensating for vehicle movement) to be calculated within the MaxiMet and provided directly as an output.



Renewable energy

MaxiMet's multi parameter capability has been of particular interest to large and small solar installations.
In addition to the obvious need for solar radiation measurement, MaxiMet provides rain data to indicate when the panel was last cleaned and wind data to indicate some of the stresses that the panel might experience.

MaxiMet Accessories

Gill offers a range of accessories to enable customers to use MaxiMet quickly and easily in their specific situation. These accessories allow customers to focus on collecting the measurements needed by their application or system.

Connection accessories

For quick and easy deployment of a small system or prototype, Gill offers pre-made cables. For customers integrating the product into a bespoke system, or who have more complex requirements, Gill can also provide cable by the metre and additional MaxiMet compatible connectors.



Mounting accessories

To allow MaxiMet to be installed quickly Gill offers brackets which can be mounted on a pole, tower or vertical surface. Alternatively, Gill offers a mounting pole that can be attached to a pole or tower using a clamp.



Measurement accessories

In addition to the integrated sensors Gill offers a choice of two remote rain sensors which can be used with a number of MaxiMet models. For applications where high accuracy is required Gill offers a traditional tipping bucket rain gauge. For applications where low maintenance is a priority Gill offers an optical rain sensor that will provide an indication of rain presence and intensity.



Configuration and maintenance accessories

All MaxiMet models can be configured to reduce the integration and data processing effort required. To ensure configuration is as easy as possible Gill offers cables to connect the MaxiMet to a PC. The cable, together with the MetSet software, described opposite, allows the product to be set up to best match the requirements of the specific application.



MaxiMet Software

Gill offers two software packages to help customers work with MaxiMet products. Both packages are compatible with Windows 7 and 10.

MetSet

MetSet provides an easy-to-use interface to check and change the set-up of MaxiMet products. MetSet allows a customer to change a range of MaxiMet parameters including communication protocols, measurement units and measurement intervals.

MetView

MetView provides an easy-to-use interface to view the measurement data provided by MaxiMet in an intuitive graphical display. In addition, MetView can be used to log measurement data.



MaxiMet Support

Gill products have been used for over 35 years in a broad range of environments and applications. We work with customers around the world on diverse and innovative projects, helping them select the most appropriate product, and integrate that product into their systems.

Application Support

Gill can advise on the selection of the most appropriate product for a particular application, or for integration with a specific customer system. We are able to advise, share our experience of key points to consider and provide guidance where appropriate. Experience shows that each customer has a range of requirements and constraints, and openly discussing these ensures the optimum product selection.

Technical Support

Gill products are designed to be easy to use and are supported by extensive user manuals and software to assist with product set-up and data collection. Should additional support be required, Gill has a highly trained technical support team with many years' experience dealing with technical and product questions.

Repair and Calibration

Gill offers a repair service should a product get damaged during its life. The unit will be repaired in Gill's factory, and returned to the customer. In addition, should the unit require accredited calibration, Gill can arrange for calibration to be carried out by a UKAS (United Kingdom Accreditation Service) certified service provider and the calibration certificates provided.






Where to buy

Gill products are available directly or through a worldwide network of distributors.

To discuss your needs and be put in contact with the most appropriate distributor, contact us at contact.gi@gill.group

For further information on MaxiMet including manuals, datasheets and software, please click below.



Find out more >

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As a representative of this supplier, we – from Observator – distribute these products. Originating from the Netherlands, Observator has grown into an internationally oriented company with a worldwide distribution network.

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The Observator range is in continuous development and so specifications may be subject to change without prior notice.