GMX100 Compact Weather Station

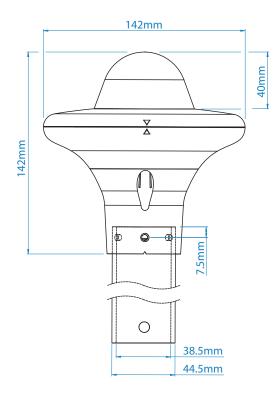


The MaxiMet range of compact weather stations is designed and manufactured by Gill Instruments. MaxiMet products use reliable, high quality instruments to provide accurate meteorological information in a wide variety of applications.

GMX100 Features

Precipitation. An integrated optical rain gauge that automatically senses water hitting its outside surface and provides measurements based on the size and number of drops. Algorithms interpret this data and simulate the output of a tipping bucket rain gauge in a serial format. The optical rain gauge has no moving parts associated with tipping bucket gauges.





PRECIPITATION	PARAMETERS
 Rainfall total Rainfall intensity Rainfall Y/N Emulated tipping bucket Integrated heater No moving parts 0.08 mm tip Optical Rain Gauge (customer selectable) 	 Precipitation mm/hr, mm/total, in/hr, in/total Angle of Tilt Outputs RS232, 422, 485 (ASCII), SDI-12, NMEA, MODBUS, Analogue (option)
	GPS (MANUAL)
	 Height above sea level m Sunrise/sunset Position of the sun Twilight Solar Noon MSL pressure

All MaxiMet Models Feature

- Quality Measurements
- Lightweight and Robust
- Low Power Mode
- Free of Charge Software
- Gill Proven Reliability
- Compact Integrated Design
- Real Time Output
- Easy Installation
- Gill Customer Support
- 2 Year Warranty

Applications

- Building and Industrial Controls
- Authorities
- Transport

 Coastal

- Agricultural
- Safety

- Educational
- Commercial
- Energy

PRECIPITATION	
Measurement type	Optical
Range	0 to >300 mm/hr
Precipitation Resolution	0.08 mm
Repeatability	3%
Sampling Rate	1 Hz
Units	mm/hr, mm/total, mm/24 hr, in/hr, in/total, in/24 hr
Heating	YES

OUTPUTS	
Output rate	1/s, 1/min, 1/hr
Digital Comms Modes	Serial RS232, RS422, RS485, SDI-12, NMEA, MODBUS, ASCII
Analogue Outputs	Available via separate optional device

POWER	
Power Supply	5 to 30 Vdc
Power (Nominal) 12 Vdc	42 mA continuous high mode. 0.7 mA eco-power mode (1 hour polled)

ENVIRONMENTAL CONDITIONS	
IP Rating	66
Operational Temperature Range:	-40°C to +70°C
EMC Standard:	BS EN 61326-2-1:2013 FCC, CFR Title 47, Part 15, Subpart B, Class A digital device
CE Marking	YES
RoHS compliant	YES
Weight	0.3 Kg
Origin	UK

Specifications may be subject to change without prior notice



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GMX101 Compact Weather Station

GILL

The MaxiMet range of compact weather stations is designed and manufactured by Gill Instruments. MaxiMet products use reliable, high quality instruments to provide accurate meteorological information in a wide variety of applications.

GMX101 Features

Solar radiation. An integrated solar radiation sensor/pyranometer. This highly accurate instrument uses a thermal sensor mounted at its base and protected by a single glass dome to record the amount of light in watts per metre². It is widely used in agro-meteorological applications and for monitoring the performance of solar panels. An inclinometer is fitted to provide the angle of tilt to aide correct vertical and angled mounting.

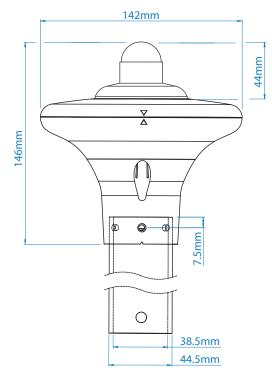


SOLAR RADIATION

- Complies with ISO 9060 and WMO Guidelines
- Output in watts per metre²
- 180° hemispherical field of view
- Records sunshine hours
- Integrated Hukseflux LP02 pyranometer
- Glass dome

PARAMETERS

- Solar radiation W/m²
- Sunshine hours hrs
- Twilight
- Sunrise
- Sunset
- Position of the sun
- Solar Noon
- Angle of Tilt
- Outputs RS232, 422, 485 (ASCII), SDI-12, NMEA, MODBUS, Analogue (option)



All MaxiMet Models Feature

- Quality Measurements
- Lightweight and Robust
- Free of Charge Software
- Gill Proven Reliability
- Compact Integrated Design
- Real Time Output
- Easy Installation
- Gill Customer Support
- 2 Year Warranty

Applications

- Building and Industrial Controls
- Authorities
- Transport

- Coastal
- Agricultural
- Safety

- Educational
- Commercial
- Energy

GLOBAL SOLAR RADIATION	
Wavelength Sensitivity	300 to 3000 nm
Output Range	0 to 1600 W/m ²
Resolution	1 W/m ²
DIN Standard	ISO 9060 Second Class
Sampling Rate	1 Hz
Units	W/m ²

INCLINOMETER	
Range	± 90°
Accuracy	± 3°
Resolution	1°

OUTPUTS	
Output rate	1/s, 1/min, 1/hr
Digital Comms Modes	Serial RS232, RS422, RS485, SDI-12, NMEA, MODBUS, ASCII
Analogue Outputs	Available via separate optional device

POWER	
Power Supply	5 to 30 Vdc
Power (Nominal) 12 Vdc	28 mA continuous high mode.

ENVIRONMENTAL CONDITIONS	
IP Rating	66
Operational Temperature Range:	-40°C to +70°C
EMC Standard:	BS EN 61326-2-1:2013 FCC, CFR Title 47, Part 15, Subpart B, Class A digital device
CE Marking	YES
RoHS compliant	YES
Weight	0.4 Kg
Origin	UK

Specifications may be subject to change without prior notice



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GMX200 Compact Weather Station



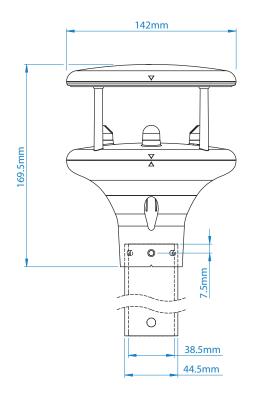
The MaxiMet range of compact weather stations is designed and manufactured by Gill Instruments. MaxiMet products use reliable, high quality instruments to provide accurate meteorological information in a wide variety of applications.

GMX200 Features

Wind. Wind speed and direction measurements are provided via an ultrasonic sensor and the addition of an electronic compass provides apparent wind measurements. Average speed and direction together with WMO averages and gust data is also provided. Add GPS (optional) to provide true wind and other features.



PARAMETERS WIND **GPS (OPTION)** Wind speed & direction • Height above sea level m • Wind speed m/s, km/hr, mph, kts, ft/min MSL pressure Apparent and true wind (with GPS) Wind direction ° Sunrise/sunset WMO wind averages and gust True/apparent wind Position of the sun Angle of Tilt Compass Twilight GPS (optional) gives height above Outputs RS232, 422, 485 (ASCII), SDI-12, NMEA, MODBUS, sea level, latitude and longitude Solar Noon Analogue (option)



All MaxiMet Models Feature

- Quality Measurements
- Lightweight and Robust
- Low Power Mode
- Free of Charge Software
- Gill Proven Reliability
- Compact Integrated Design
- Real Time Output
- Easy Installation
- Gill Customer Support
- 2 Year Warranty

Applications

- Building and Industrial Controls
- Authorities
- Transport

- Coastal
- Agricultural
- Safety

WIND SPEED		
Range	0.01 m/s to 60 m/s	
Accuracy	± 3% to 40 m/s, ± 5% to 60 m/s	
Resolution m/s	0.01	
Starting Threshold	0.01 m/s	
Sampling Rate	1 Hz	
Units	m/s, km/hr, mph, kts, ft/min	

WIND DIRECTION	
Range	0-359°
Accuracy	± 3° to 40 m/s ± 5° to 60 m/s
Resolution	1°
Starting Threshold	0.05 m/s
Sampling Rate	1 Hz
Units	Degrees

OUTPUTS	
Output rate	1/s, 1/min, 1/hr
Digital Comms Modes	Serial RS232, RS422, RS485, SDI-12, NMEA, MODBUS, ASCII
Analogue Outputs	Available via separate optional device

POWER	
Power Supply	5 to 30 Vdc
Power (Nominal) 12 Vdc	25 mA continuous high mode. 0.7 mA eco-power mode (1 hour polled)

- Educational
- Commercial
- Energy

ENVIRONMENTAL CONDITIONS		
IP Rating	66	
Operational Temperature Range:	-40°C to +70°C	
EMC Standard:	BS EN 61326-2-1:2013 FCC, CFR Title 47, Part 15, Subpart B, Class A digital device	
CE Marking	YES	
RoHS compliant	YES	
Weight	0.5 Kg	
Origin	UK	

Specifications may be subject to change without prior notice



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GMX300 Compact Weather Station



The MaxiMet range of compact weather stations is designed and manufactured by Gill Instruments. MaxiMet products use reliable, high quality instruments to provide accurate meteorological information in a wide variety of applications.

GMX300 Features

Temperature, humidity, pressure. A combined instrument mounted inside three double louvered, naturally aspirated radiation shields with no moving parts. The results are high performance across each measurement over long periods of time.



	142mm
155mm	
15	
	0
	Ø38.5mm Ø44.5mm

TEMP, HUMIDITY & PRESSURE	PARAMETERS
 Air Pressure / Temperature 	■ Temperature °C/°F/°K
 Relative / Absolute humidity 	Relative humidity % Rh
 Naturally aspirated UV stable radiation shield 	 Barometric pressure hPa, mbar, mn Hg, In Hg
 Protection against wind-blown 	 Absolute humidity g/m³
precipitation/dust	Air density kg/m3
	■ Wet bulb temperature °C/°F/°K
	 Angle of Tilt
	Outputs RS232, 422, 485 (ASCII), SDI-12, NMEA, MODBUS, Analogue (option)
	GPS (MANUAL)
	Height above sea level m
	 Sunrise/sunset
	 Position of the sun
	 Twilight
	 Solar Noon
	 MSL pressure

All MaxiMet Models Feature

- Quality Measurements
- Lightweight and Robust
- Low Power Mode
- Free of Charge Software
- Gill Proven Reliability
- Compact Integrated Design
- Real Time Output
- Easy Installation
- Gill Customer Support
- 2 Year Warranty

Applications

- Building and Industrial Controls
- Authorities
- Transport

- Coastal
- Agricultural

300 to 1100 hpa

Safety

 Educational

- Commercial
- Energy

TEMPERATURE	
Range	-40°C to +70°C
Resolution	0.1
Accuracy	± 0.3°C @ 20°C
Sampling Rate	1 Hz
Units	°C, °F, °K

OUTPUTS	
Units	hPa, mbar, mmHg, inHg
Sampling Rate	1 Hz
Accuracy	± 0.5 hPa @ 25°C
Resolution	0.1 hPa

PRESSURE

Range

OUTPUTS	
Output rate	1/s, 1/min, 1/hr
Digital Comms Modes	Serial RS232, RS422, RS485, SDI-12, NMEA, MODBUS, ASCII
Analogue Outputs	Available via separate optional device

POWER	
Power Supply	5 to 30 Vdc
Power (Nominal) 12 Vdc	5 mA continuous high mode. 0.7 mA eco-power mode (1 hour polled)

ENVIRONMENTAL CONDITIONS		
IP Rating	66	
Operational Temperature Range:	-40°C to +70°C	
EMC Standard:	BS EN 61326-2-1:2013 FCC, CFR Title 47, Part 15, Subpart B, Class A digital device	
CE Marking	YES	
RoHS compliant	YES	
Weight	0.5 Kg	
Origin	UK	

HUMIDITY	
Range	0-100%
Resolution	1%
Accuracy	± 2% @ 20°C (10%-90% RH)
Sampling Rate	1 Hz
Units	% Rh, g/m³

DEW POINT	
Range	-40°C to +70°C
Resolution	0.1
Accuracy	± 0.3°C @ 20°C
Units	°C, °F, °K
Sampling Rate	1 Hz

Specifications may be subject to change without prior notice



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GMX301 Compact Weather Station



The MaxiMet range of compact weather stations is designed and manufactured by Gill Instruments. MaxiMet products use reliable, high quality instruments to provide accurate meteorological information in a wide variety of applications.

GMX301 Features

Temperature, humidity, pressure. A combined instrument mounted inside three double louvered, naturally aspirated radiation shields with no moving parts. The results are high performance across each measurement over long periods of time.

Solar radiation. An integrated solar radiation sensor/pyranometer. This highly accurate instrument uses a thermal sensor mounted at its base and protected by a single glass dome to record the amount of light in watts per metre². It is widely used in agro-meteorological applications and for monitoring the performance of solar panels.



TEMP, HUMIDITY & PRESSURE	SOLAR RADIATION	PARAMETERS
 Air Pressure / Temperature 	Complies with ISO 9060 and WMO Guidelines	 Solar radiation w/m²
 Relative / Absolute humidity 	 Output in watts per metre² 	Sunshine hours hrs
 Naturally aspirated UV stable radiation shield 	 180° hemispherical field of view 	 Solar Noon
 Protection against wind-blown 	 Records sunshine hours 	■ Temperature °C/°F/°K
precipitation/dust	 Integrated Hukseflux LP02 pyranometer 	Relative humidity % Rh
	 Glass dome 	Barometric pressure hPa, mbar, mm Hg, In Hg

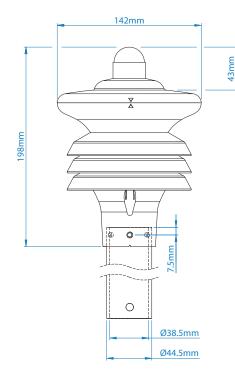
- Wet bulb temperature °C/°F/°K
- Absolute humidity *q/m³*
- Air density kg/m3
- Angle of Tilt
- Outputs RS232, 422, 485 (ASCII), SDI-12, NMEA, MODBUS, Analogue (option)

GPS (MANUAL)

- Height above sea level m
- Sunrise/sunset
- Position of the sun
- Twilight
- Solar Noon
- MSL pressure

All MaxiMet Models Feature

- Quality Measurements
- Lightweight and Robust
- Low Power Mode
- Free of Charge Software
- Gill Proven Reliability
 - Compact Integrated Design
- Real Time Output
- Easy Installation
- Gill Customer Support
- 2 Year Warranty



Applications

TEMPERATURE

Range Resolution

Accuracy Sampling Rate

Units

- Building and Industrial Controls
- Authorities
- Transport

- Coastal
- Agricultural
- Safety

PRESSURE	
Range	300 to 1100 hpa
Resolution	0.1 hPa
Accuracy	± 0.5 hPa @ 25°C
Sampling Rate	1 Hz
Units	hPa, mbar, mmHg, inHg

HUMIDITY	
Range	0-100%
Resolution	1%
Accuracy	± 2% @ 20°C (10%-90% RH)
Sampling Rate	1 Hz
Units	% Rh, g/m³

-40°C to +70°C

± 0.3°C @ 20°C

0.1

1 Hz

°C, °F, °K

DEW POINT	
Range	-40°C to +70°C
Resolution	0.1
Accuracy	± 0.3°C @ 20°C
Units	°C, °F, °K
Sampling Rate	1 Hz

GLOBAL SOLAR RADIATION	
Wavelength Sensitivity	300 to 3000 nm
Output Range	0 to 1600 W/m ²
Resolution	1 W/m ²
DIN Standard	ISO 9060 Second Class
Sampling Rate	1 Hz
Units	W/m ²

OUTPUTS	
Output rate	1/s, 1/min, 1/hr
Digital Comms Modes	Serial RS232, RS422, RS485, SDI-12, NMEA, MODBUS, ASCII
Analogue Outputs	Available via separate optional device

- Educational
- Commercial
- Energy

POWER	
Power Supply	5 to 30 Vdc
Power (Nominal) 12 Vdc	5.5 mA continuous high mode. 0.7 mA eco-power mode (1 hour polled)

ENVIRONMENTAL CONDITIONS	
IP Rating	66
Operational Temperature Range:	-40°C to +70°C
EMC Standard:	BS EN 61326-2-1:2013 FCC, CFR Title 47, Part 15, Subpart B, Class A digital device
CE Marking	YES
RoHS compliant	YES
Weight	0.6 Kg
Origin	UK

Specifications may be subject to change without prior notice



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Algorithms interpret this data and simulate the output of a tipping bucket rain gauge in a serial format. The optical rain gauge has no moving parts associated with tipping bucket gauges.

MaxiMet

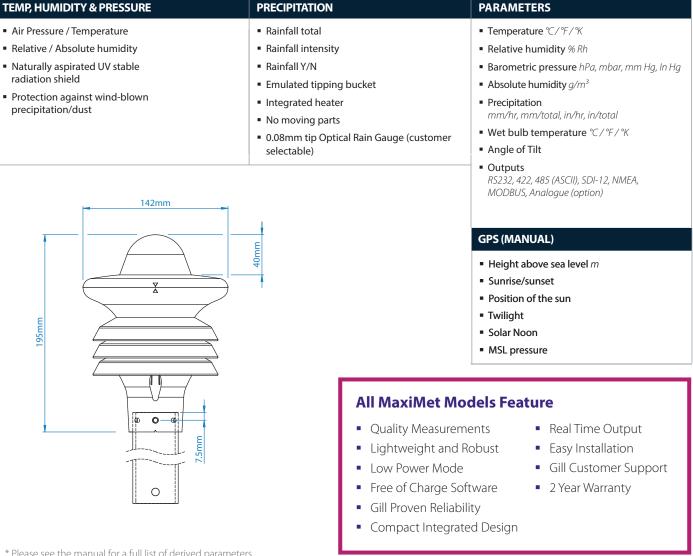
GMX400 Compact Weather Station

The MaxiMet range of compact weather stations is designed and manufactured by Gill Instruments. MaxiMet products use reliable, high quality instruments to provide accurate meteorological information in a wide variety of applications.

GMX400 Features

Temperature, humidity, pressure. A combined instrument mounted inside three double louvered, naturally aspirated radiation shields with no moving parts. The results are high performance across each measurement over long periods of time.

Precipitation. An integrated optical rain gauge that automatically senses water hitting its outside surface and provides measurements based on the size and number of drops.







Applications

TEMPERATURE

Range Resolution

Accuracy

Units

Sampling Rate

- Building and Industrial Controls
- Authorities
- Transport

- Agricultural
- Safety

PRESSURE	
Range	300 to 1100 hpa
Resolution	0.1 hPa
Accuracy	± 0.5 hPa @ 25°C
Sampling Rate	1 Hz
Units	hPa, mbar, mmHg, inHg

HUMIDITY		Р	R
Range	0-100%	М	
Resolution	1%	ty	'n
Accuracy	± 2% @ 20°C (10%-90% RH)	Ra	an
Sampling Rate	1 Hz	Pr Re	-
Units	% Rh, g/m ³		25
		Re	ep

-40°C to +70°C

± 0.3°C @ 20°C

0.1

1 Hz °C, °F, °K

DEW POINT	
Range	-40°C to +70°C
Resolution	0.1
Accuracy	± 0.3°C @ 20°C
Units	°C, °F, °K
Sampling Rate	1 Hz

RECIPITATION easurement Optical be 0 to >300 mm/hr nge cipitation 0.08 mm solution peatability 3% Sampling Rate 1 Hz Units mm/hr, mm/total, mm/24 hr, in/hr, in/total, in/24 hr YES Heating

Educational

- Commercial
- Energy

OUTPUTS	
Output rate	1/s, 1/min, 1/hr
Digital Comms Modes	Serial RS232, RS422, RS485, SDI-12, NMEA, MODBUS, ASCII
Analogue Outputs	Available via separate optional device

POWER	
Power Supply	5 to 30 Vdc
Power (Nominal) 12 Vdc	45 mA continuous high mode. 0.7 mA eco-power mode (1 hour polled)

ENVIRONMENTAL CONDITIONS	
IP Rating	66
Operational Temperature Range:	-40°C to +70°C
EMC Standard:	BS EN 61326-2-1:2013 FCC, CFR Title 47, Part 15, Subpart B, Class A digital device
CE Marking	YES
RoHS compliant	YES
Weight	0.5 Kg
Origin	UK

Specifications may be subject to change without prior notice



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GMX500 Compact Weather Station

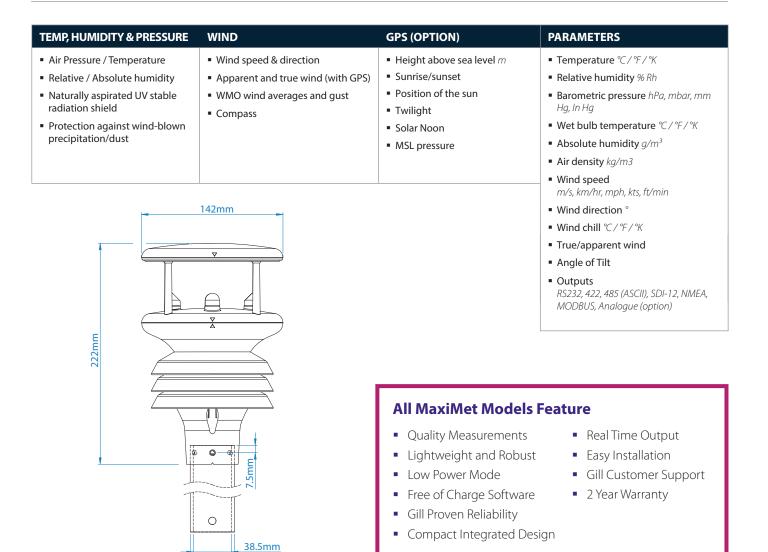
GILL

The MaxiMet range of compact weather stations is designed and manufactured by Gill Instruments. MaxiMet products use reliable, high quality instruments to provide accurate meteorological information in a wide variety of applications.

GMX500 Features

Temperature, humidity, pressure. A combined instrument mounted inside three double louvered, naturally aspirated radiation shields with no moving parts. The results are high performance across each measurement over long periods of time.

Wind. Wind speed and direction measurements are provided via an ultrasonic sensor and the addition of an electronic compass provides apparent wind measurements. Average speed and direction together with WMO averages and gust data is also provided. Add GPS (optional) to provide true wind and other features.



44.5mm

Applications

WIND SPEED

Resolution m/s

Sampling Rate

Starting Threshold

WIND DIRECTION

Range Accuracy

Units

Range

Units

Range Resolution

Accuracy

Units

Sampling Rate

Accuracy

Resolution

Starting Threshold

TEMPERATURE

Sampling Rate

Building and Industrial Controls

0.01 m/s to 60 m/s

m/s, km/hr, mph, kts, ft/min

± 3% to 40 m/s, ± 5% to 60 m/s

0.01

1 Hz

0-359°

1°

0.05 m/s

Degrees

-40°C to +70°C

 \pm 0.3°C @ 20°C

1 Hz

0.1

1 Hz

°C, °F, °K

 \pm 3° to 40 m/s

 \pm 5° to 60 m/s

0.01 m/s

- Authorities
- Transport

- Coastal
- Agricultural
- Safety

HUMIDITY	
Range	0-100%
Resolution	1%
Accuracy	± 2% @ 20°C (10%-90% RH)
Sampling Rate	1 Hz
Units	% Rh, g/m³

DEW POINT	
Range	-40°C to +70°C
Resolution	0.1
Accuracy	± 0.3°C @ 20°C
Units	°C, °F, °K
Sampling Rate	1 Hz

PRESSURE	
Range	300 to 1100 hpa
Resolution	0.1 hPa
Accuracy	± 0.5 hPa @ 25°C
Sampling Rate	1 Hz
Units	hPa, mbar, mmHg, inHg

 Educational 	

- Commercial
- Energy

OUTPUTS	
Output rate	1/s, 1/min, 1/hr
Digital Comms Modes	Serial RS232, RS422, RS485, SDI-12, NMEA, MODBUS, ASCII
Analogue Outputs	Available via separate optional device

POWER	
Power Supply	5 to 30 Vdc
Power (Nominal) 12 Vdc	25 mA continuous high mode. 0.7 mA eco-power mode (1 hour polled)

ENVIRONMENTAL CONDITIONS		
IP Rating	66	
Operational Temperature Range:	-40°C to +70°C	
EMC Standard:	BS EN 61326-2-1:2013 FCC, CFR Title 47, Part 15, Subpart B, Class A digital device	
CE Marking	YES	
RoHS compliant	YES	
Weight	0.7 Kg	
Origin	UK	

Specifications may be subject to change without prior notice



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GMX501 Compact Weather Station

GILL

The MaxiMet range of compact weather stations is designed and manufactured by Gill Instruments. MaxiMet products use reliable, high quality instruments to provide accurate meteorological information in a wide variety of applications.

GMX501 Features

Temperature, humidity, pressure. A combined instrument mounted inside three double louvered, naturally aspirated radiation shields with no moving parts. The results are high performance across each measurement over long periods of time.

Solar radiation. An integrated solar radiation sensor/pyranometer. This highly accurate instrument uses a thermal sensor mounted at its base and protected by a single glass dome to record the amount of light in watts per metre². It is widely used in agrometeorological applications and for monitoring the performance of solar panels.

Wind. Wind speed and direction measurements are provided via an ultrasonic sensor and the addition of an electronic compass provides apparent wind measurements. Average speed and direction together with WMO averages and gust data is also provided. Add GPS (optional) to provide true wind and other features.



TEMP, HUMIDITY & PRESSURE	SOLAR RADIATION	WIND	PARAMETERS
 Air Pressure / Temperature Relative / Absolute humidity Naturally aspirated UV stable radiation shield Protection against wind-blown precipitation/dust 	 Complies with ISO 9060 and WMO Guidelines Output in watts per metre² 180° hemispherical field of view Records sunshine hours Integrated Hukseflux LP02 pyranometer Glass dome 	 Wind speed & direction Apparent and true wind (with GPS) WMO wind averages and gust Compass 	 Solar radiation W/m² Sunshine hours hrs Temperature °C/°F/°K Relative humidity % Rh Barometric pressure hPa, mbar, mm Hg, In Hg Wet bulb temperature °C/°F/°K Absolute humidity g/m³
		GPS (OPTION)	• Air density kg/m3
	 Height above sea level m Sunrise/sunset Position of the sun Twilight Solar Noon MSL pressure 	 Wind speed m/s, km/hr, mph, kts, ft/min Wind direction ° Wind chill °C / °F / °K True/apparent wind Angle of Tilt Outputs RS232,422, 485, SDI-12, NMEA, MODBUS, Analogue (option) 	
	125mm	All MaxiMet Models Fe • Quality Measurements • Lightweight and Robust • Low Power Mode • Free of Charge Software • Gill Proven Reliability • Compact Integrated Design	 Real Time Output Easy Installation Gill Customer Support 2 Year Warranty

Applications

WIND SPEED

Resolution m/s

Sampling Rate

Starting Threshold

WIND DIRECTION

Range Accuracy

Units

Range

Accuracy

Resolution

Units

Range Resolution

Accuracy

Units

Range Resolution

Accuracy

Units

Sampling Rate

Sampling Rate

HUMIDITY

Starting Threshold

TEMPERATURE

Sampling Rate

Building and Industrial Controls

0.01 m/s to 60 m/s

m/s, km/hr, mph, kts, ft/min

± 3% to 40 m/s, ± 5% to 60 m/s

0.01

1 Hz

0-359° ± 3° to 40 m/s

1°

0.05 m/s

Degrees

-40°C to +70°C

± 0.3°C @ 20°C

1 Hz

0.1

1 Hz

°C, °F, °K

0-100%

1%

1 Hz

% Rh, g/m³

± 5° to 60 m/s

0.01 m/s

- Authorities
- Transport

 Coastal

- Agricultural
- Safety

DEW POINT	
Range	-40°C to +70°C
Resolution	0.1
Accuracy	± 0.3°C @ 20°C
Units	°C, °F, °K
Sampling Rate	1 Hz

PRESSURE	
Range	300 to 1100 hpa
Resolution	0.1 hPa
Accuracy	± 0.5 hPa @ 25°C
Sampling Rate	1 Hz
Units	hPa, bar, mmHg, inHg

GLOBAL SOLAR RADIATION		
Wavelength Sensitivity	300 to 3000 nm	
Output Range	0 to 1600 W/m ²	
Resolution	1 W/m ²	
DIN Standard	ISO 9060 Second Class	
Sampling Rate	1 Hz	
Units	W/m ²	

- Commercial
- Energy

OUTPUTS	
Output rate	1/s, 1/min, 1/hr
Digital Comms Modes	Serial RS232, RS422, RS485, SDI-12, NMEA, MODBUS, ASCII
Analogue Outputs	Available via separate optional device

POWER	
Power Supply	5 to 30 Vdc
Power (Nominal) 12 Vdc	25 mA continuous high mode. 0.7 mA eco-power mode (1 hour polled)

ENVIRONMENTAL CONDITIONS		
IP Rating	66	
Operational Temperature Range:	-40°C to +70°C	
EMC Standard:	BS EN 61326-2-1:2013 FCC, CFR Title 47, Part 15, Subpart B, Class A digital device	
CE Marking	YES	
RoHS compliant	YES	
Weight	0.6 Kg	
Origin	UK	

Specifications may be subject to change without prior notice

± 2% @ 20°C (10%-90% RH)



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GMX531 Compact Weather Station

GILL

The MaxiMet range of compact weather stations is designed and manufactured by Gill Instruments. MaxiMet products use reliable, high quality instruments to provide accurate meteorological information in a wide variety of applications.

GMX531 Features

Temperature, humidity, pressure. A combined instrument mounted inside three double louvered, naturally aspirated radiation shields with no moving parts. The results are high performance across each measurement over long periods of time.

Solar radiation. An integrated solar radiation sensor/pyranometer. This highly accurate instrument uses a thermal sensor mounted at its base and protected by a single glass dome to record the amount of light in watts per metre². It is widely used in agro-meteorological applications and for monitoring the performance of solar panels.

Wind. Wind speed and direction measurements are provided via an ultrasonic sensor and the addition of an electronic compass provides apparent wind measurements. Average speed and direction together with WMO averages and gust data is also provided. Add GPS (optional) to provide true wind and other features.

Precipitation. The Kalyx tipping bucket rain gauge supplied provides excellent performance in tropical or heavy convective precipitation locations. The low power Kalyx connects via a 20m cable (included).



TEMP, HUMIDITY & PRESSURE	SOLAR RADIATION	WIND	PARAMETERS
 Air Pressure / Temperature Relative / Absolute humidity Naturally aspirated UV stable Radiation shield Protection against wind-blown precipitation/dust 	 Complies with ISO 9060 and WMO Guidelines Output in watts per metre² 180° hemispherical field of view Records sunshine hours Integrated Hukseflux LP02 pyranometer Glass dome 	 Wind speed & direction Apparent and true wind (with GPS) WMO wind averages and gust Compass 	 Solar radiation w/m² Sunshine hours hrs Solar Noon Temperature °C/°F/°K Relative humidity % Rh, g/m3 Barometric pressure hPa, mbar, mm Hg, In Hg Wet bulb temperature °C/°F/°K
264mm		 GPS (OPTION) Height above sea level m Sunrise/sunset Position of the sun Twilight MSL pressure PRECIPITATION (INPUT) 0.2mm tip Kaylx rain gauge 20m Cable 	 Absolute humidity g/m³ Air density kg/m³ Precipitation mm/hr, mm/total, in/hr, in/total Wind speed m/s, km/hr, mph, kts, ft/min Wind direction ° Wind chill °C / °F / °K True/apparent wind Angle of Tilt Outputs RS232, 422, 485 (ASCII), SDI-12, NMEA, MODBUS, Analogue (option)
* Please see the manual for a full list of	Ø38.5mm Ø44.5mm	 All MaxiMet Models I Quality Measurements Lightweight and Robust Low Power Mode Free of Charge Software Gill Proven Reliability Compact Integrated Designation 	 Real Time Output Easy Installation Gill Customer Support 2 Year Warranty

Kalyx Rain Gauge



The MaxiMet range of compact weather stations is designed and manufactured by Gill Instruments. MaxiMet products use reliable, high quality instruments to provide accurate meteorological information in a wide variety of applications.

Kalyx Rain Gauge Features

Precipitation. The Kalyx tipping bucket rain gauge provides excellent performance in tropical or heavy convective precipitation locations. The low power Kalyx connects via a 20m cable (included) that the user can cut to length.

The sensor has a tipping bucket mechanism which automatically tips when precipitation accumulates inside of it. Total precipitation is determined by the number of tips.

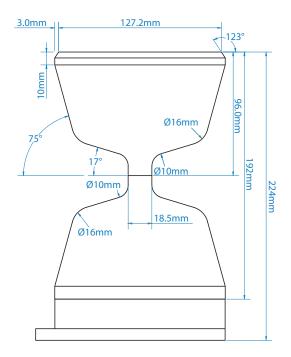
An adjustable mouting plate compensates for uneven surfaces and the unique aerodynamic shape of the rain gauge reduces the effects of wind blown rain being carried away from the collecting vessel.

The tipping bucket includes a drain hole and does not need to be emptied.









SPECIFICATION	
Measurement type	TBRG (Kalyx)
Range	0-1000 mm/hr
Precipitation Resolution	0.2 mm
Accuracy	2%
Sampling Rate	1 Hz
Units	mm/hr, mm/total, mm/24 hr, in/hr, in/total, in/24 hr
Heating	N/A
Output	Contact closure via 20m cable to GMX
Mounting	Adjustable mounting plate

Educational

Commercial

Applications

- Building and Industrial Controls
- **Authorities**
- Transport

- Coastal
- Agricultural

-40°C to +70°C

± 0.3°C @ 20°C

300 to 1100 hpa

± 0.5 hPa @ 25°C

hPa, mbar, mmHg, inHg

mm/hr, mm/total, in/hr, in/

Contact closure via 20m

cable to GMX

°C, °F, °K

0.1 hPa

1 Hz

TBRG (Kalyx)

0-1000 mm/hr

0.2 mm

2%

1 Hz

total

N/A

1 Hz

Safety

0.1

NΤ

PRESSURE

Range Resolution

Accuracy

Units

type

Range Precipitation

Resolution

Accuracy

Units

Heating

Output

Sampling Rate

Sampling Rate

PRECIPITATION Measurement

WIND SPEED			DEW POINT
Range	0.01 m/s to 60 m/s		Range
Accuracy	± 3% to 40 m/s, ± 5% to 60 m/s		Resolution
			Accuracy
Resolution m/s	0.01		Units
Starting Threshold	0.01 m/s		Sampling Rate
Sampling Rate	1 Hz		
Units	m/s, km/hr, mph, kts, ft/min		DDECCUDE

WIND DIRECTION		
Range	0-359°	
Accuracy	± 3° to 40 m/s ± 5° to 60 m/s	
Resolution	1°	
Starting Threshold	0.05 m/s	
Sampling Rate	1 Hz	
Units	Degrees	

TEMPERATURE	
Range	-40°C to +70°C
Resolution	0.1
Accuracy	± 0.3°C @ 20°C
Sampling Rate	1 Hz
Units	°C, °F, °K

HUMIDITY		
Range	0-100%	
Resolution	1%	
Accuracy	$\pm2\%$ @ 20°C (10%-90% RH)	
Sampling Rate	1 Hz	
Units	% Rh, g/m³	

Specifications may be subject to change without prior notice



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Energy

GLOBAL SOLAR RADIATION		
Wavelength Sensitivity	300 to 3000 nm	
Output Range	0 to 1600 W/m ²	
Resolution	1 w/m ²	
DIN Standard	ISO 9060 Second Class	
Sampling Rate	1 Hz	
Units	w/m ²	

OUTPUTS	
Output rate	1/s, 1/min, 1/hr
Digital Comms Modes	Serial RS232, RS422, RS485, SDI-12, NMEA, MODBUS, ASCII
Analogue Outputs	Available via separate optional device

POWER	
Power Supply	5 to 30 Vdc
Power (Nominal) 12 Vdc	25mA continuous high mode. 0.7mA eco-power mode (1 hour polled)

ENVIRONMENT	AL CONDITIONS
IP Rating	66

in nating	00
Operational Temperature Range:	-40°C to +70°C
EMC Standard:	BS EN 61326-2-1:2013 FCC, CFR Title 47, Part 15, Subpart B, Class A digital device
CE Marking	YES
RoHS compliant	YES
Weight	0.8 Kg (+ 1.2 kg Rain Gauge inc Cable)
Origin	UK

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GMX541 Compact Weather Station

GILL

The MaxiMet range of compact weather stations is designed and manufactured by Gill Instruments. MaxiMet products use reliable, high quality instruments to provide accurate meteorological information in a wide variety of applications.

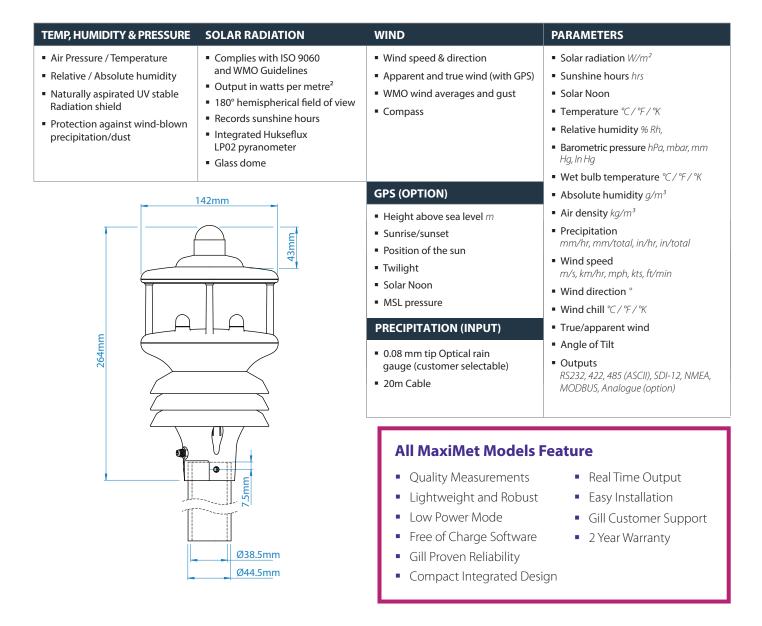
GMX541 Features

Temperature, humidity, pressure. A combined instrument mounted inside three double louvered, naturally aspirated radiation shields with no moving parts. The results are high performance across each measurement over long periods of time.

Solar radiation. An integrated solar radiation sensor/pyranometer. This highly accurate instrument uses a thermal sensor mounted at its base and protected by a single glass dome to record the amount of light in watts per metre². It is widely used in agro-meteorological applications and for monitoring the performance of solar panels.

Wind. Wind speed and direction measurements are provided via an ultrasonic sensor and the addition of an electronic compass provides apparent wind measurements. Average speed and direction together with WMO averages and gust data is also provided. Add GPS (optional) to provide true wind and other features.

Precipitation. The Optical rain gauge supplied provides excellent performance in a low maintenance package. The Optical RG connects via a 20m cable (included).



Optical Rain Gauge

GILL

The MaxiMet range of compact weather stations is designed and manufactured by Gill Instruments. MaxiMet products use reliable, high quality instruments to provide accurate meteorological information in a wide variety of applications.

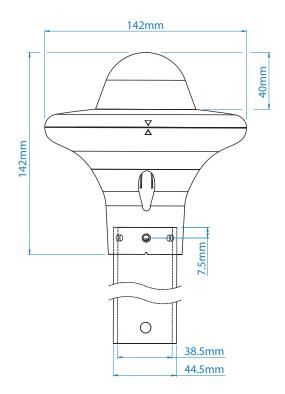
Optical Rain Gauge Features

Precipitation. An integrated optical rain gauge that automatically senses water hitting its outside surface and provides tip measurement.

Algoirthms in the GMX541 interpret this tip data and simulate the output of a tipping bucket rain gauge as part of the serial output from the GMX541. The optical rain gauge has no moving parts associated with tipping bucket gauges.

Output and power to the GMX541 is via a 20m cable (included) that the user can cut to length.





SPECIFICATION	
Measurement type	Optical RG
Range	0 to > 300 mm/hr
Precipitation Resolution	0.08 mm (Customer Selectable)
Repeatability	3%
Sampling Rate	1 Hz
Units	mm/hr, mm/total, in/hr, in/ total
Heating	N/A
Output	Contact closure via 20m cable to GMX
Power Supply	12Vdc via above 20m cable to GMX

Applications

WIND SPEED

Range

Units

Range

Units

Range Resolution

Accuracy

Units

Range Resolution

Accuracy

Units

Sampling Rate

Sampling Rate

HUMIDITY

Accuracy

Resolution

Starting Threshold

TEMPERATURE

Sampling Rate

Accuracy

Resolution m/s

Sampling Rate

Starting Threshold

WIND DIRECTION

Building and Industrial Controls

0.01 m/s to 60 m/s

m/s, km/hr, mph, kts, ft/min

± 3% to 40 m/s, ± 5% to 60 m/s

0.01

1 Hz

0-359°

1°

0.05 m/s

Degrees

-40°C to +70°C

± 0.3°C @ 20°C

1 Hz

0.1

1 Hz °C, °F, °K

0-100%

1%

1 Hz

% Rh, g/m³

 \pm 3° to 40 m/s \pm 5° to 60 m/s

0.01 m/s

- Authorities
- Transport

 Coastal

- Agricultural
- Safety

	DEW POINT	
	Range	-40°C to +70°C
	Resolution	0.1
	Accuracy	± 0.3°C @ 20°C
	Units	°C, °F, °K
	Sampling Rate	1 Hz

PRESSURE	
Range	300 to 1100 hpa
Resolution	0.1 hPa
Accuracy	± 0.5 hPa @ 25°C
Sampling Rate	1 Hz
Units	hPa, mbar, mmHg, inHg

PRECIPITATION		
Measurement type	Optical RG	
Range	0 to > 300 mm/hr	
Precipitation Resolution	0.08 mm (Customer Selectable)	
Repeatability	3%	
Sampling Rate	1 Hz	
Units	mm/hr, mm/total, in/hr, in/ total	
Heating	N/A	
Output	Contact closure via 20m cable to GMX	

- Educational
- Commercial
- Energy

GLOBAL SOLAR RADIATION			
300 to 3000 nm			
0 to 1600 W/m ²			
1 W/m ²			
ISO 9060 Second Class			
1 Hz			
W/m ²			
OUTPUTS			
1/s, 1/min, 1/hr			
Serial RS232, RS422, RS485, SDI-12, NMEA, MODBUS, ASCII			
Available via separate optional device			
5 to 30 Vdc			
64mA continuous high mode. 0.7mA eco-power mode (1 hour polled)			
TAL CONDITIONS			
66			
-40°C to +70°C			
BS EN 61326-2-1:2013 FCC, CFR Title 47, Part 15, Subpart B, Class A digital device			

YES

UK

0.8 Kg

(+ 1.1 kg Rain Gauge

inc 20m Cable)

RoHS compliant

Weight

Origin

Specifications may be subject to change without prior notice

± 2% @ 20°C (10%-90% RH)



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* Please see the manual for a full list of derived parameters

GMX550 Compact Weather Station

The MaxiMet range of compact weather stations is designed and manufactured by Gill Instruments. MaxiMet products use reliable, high quality instruments to provide accurate meteorological information in a wide variety of applications.

GMX550 Features

MaxiMet

Temperature, humidity, pressure. A combined instrument mounted inside three double louvered, naturally aspirated radiation shields with no moving parts. The results are high performance across each measurement over long periods of time.

Wind. Wind speed and direction measurements are provided via an ultrasonic sensor and the addition of an electronic compass provides apparent wind measurements. Average speed and direction together with WMO averages and gust data is also provided. Add GPS (optional) to provide true wind and other features.

Precipitation. An integrated side connector allows users to connect any tipping bucket rain gauge. The measurements are included in the output data string.

TEMP, HUMIDITY & PRESSURE WIND **GPS (OPTION)** PARAMETERS Air Pressure / Temperature Wind speed & direction • Height above sea level m ■ Temperature °C/°F/°K Relative / Absolute humidity Apparent and true wind (with GPS) Sunrise/sunset • Relative humidity % Rh Naturally aspirated UV stable WMO wind averages and gust Position of the sun Barometric pressure hPa, mbar, mm radiation shield Hg, In Hg Solar Noon Compass Protection against wind-blown ■ Wet bulb temperature °C/°F/°K Twilight precipitation/dust Absolute humidity q/m³ MSL pressure Air density kg/m³ Wind speed **PRECIPITATION (INPUT)** m/s, km/hr, mph, kts, ft/min 142mm Wind direction ° Ready for customer supplied ■ Wind chill °C/°F/°K custom tip rain gauge via connector True/apparent wind Precipitation mm/hr, mm/total, in/hr, in/total Angle of Tilt Outputs RS232, 422, 485 (ASCII), SDI-12, NMEA, MODBUS, Analogue (option) 222mm All MaxiMet Models Feature Quality Measurements Real Time Output Lightweight and Robust Easy Installation Low Power Mode Gill Customer Support Free of Charge Software 2 Year Warranty Gill Proven Reliability 0 Compact Integrated Design 38.5mm 44.5mm





Applications

WIND SPEED

Resolution m/s

Sampling Rate

Starting Threshold

WIND DIRECTION

Range Accuracy

Units

Range

Accuracy

Resolution

Units

Range

Resolution

Sampling Rate

HUMIDITY

Accuracy

Units

Range Resolution

Accuracy

Units

Sampling Rate

Starting Threshold

TEMPERATURE

Sampling Rate

Building and Industrial Controls

0.01 m/s to 60 m/s

m/s, km/hr, mph, kts, ft/min

± 3% to 40 m/s, ± 5% to 60 m/s

0.01

1 Hz

0-359° ± 3° to 40 m/s

1°

0.01 m/s

Degrees

-40°C to +70°C

± 0.3°C @ 20°C

1 Hz

0.1

1 Hz

°C, °F, °K

0-100%

1%

1 Hz

% Rh, g/m³

 \pm 5° to 60 m/s

0.01 m/s

- Authorities
- Transport

 Coastal

- Agricultural
- Safety

DEW POINT		
Range	-40°C to +70°C	
Resolution	0.1	
Accuracy	± 0.3°C @ 20°C	
Units	°C, °F, °K	
Sampling Rate	1 Hz	

PRESSURE		
Range	300 to 1100 hpa	
Resolution	0.1 hPa	
Accuracy	± 0.5 hPa @ 25°C	
Sampling Rate	1 Hz	
Units	hPa, mbar, mmHg, inHg	

PRECIPITATION (Input)		
Measurement input type	TBRG	
Range	0-1000 mm/hr	
Precipitation Resolution	From 0.001 mm	
Units	mm/hr, mm/total, in/hr, in/ total	
Input to GMX	Contact closure via an M8 male 4-Pin connector Optional 20m cable or mating female connector required	

- Educational
- Commercial
- Energy

OUTPUTS	
Output rate	1/s, 1/min, 1/hr
Digital Comms Modes	Serial RS232, RS422, RS485, SDI-12, NMEA, MODBUS, ASCII
Analogue Outputs	Available via separate optional device

POWER	
Power Supply	5 to 30 Vdc
Power (Nominal) 12 Vdc	25 mA continuous high mode. 0.7 mA eco-power mode (1 hour polled)

ENIVID	ONMENTAL	CONDITIONS
EINVIN	UNWENTAL	CONDITIONS

IP Rating	66
Operational Temperature Range:	-40°C to +70°C
EMC Standard:	BS EN 61326-2-1:2013 FCC, CFR Title 47, Part 15, Subpart B, Class A digital device
CE Marking	YES
RoHS compliant	YES
Weight	0.7 Kg
Origin	UK

Specifications may be subject to change without prior notice

± 2% @ 20°C (10%-90% RH)



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GMX551 Compact Weather Station

GILL

The MaxiMet range of compact weather stations is designed and manufactured by Gill Instruments. MaxiMet products use reliable, high quality instruments to provide accurate meteorological information in a wide variety of applications.

GMX551 Features

Temperature, humidity, pressure. A combined instrument mounted inside three double louvered, naturally aspirated radiation shields with no moving parts. The results are high performance across each measurement over long periods of time.

Solar radiation. An integrated solar radiation sensor/pyranometer. This highly accurate instrument uses a thermal sensor mounted at its base and protected by a single glass dome to record the amount of light in watts per metre². It is widely used in agro-meteorological applications and for monitoring the performance of solar panels.

Wind. Wind speed and direction measurements are provided via an ultrasonic sensor and the addition of an electronic compass provides apparent wind measurements. Average speed and direction together with WMO averages and gust data is also provided. Add GPS (optional) to provide true wind and other features.

Precipitation. An integrated side connector allows users to connect any tipping bucket rain gauge and select the tip size from 0-9.998 mm. The measurements are included in the output data string.

TEMP, HUMIDITY & PRESSURE	SOLAR RADIATION	WIND	PARAMETERS
 Air Pressure / Temperature Relative / Absolute humidity Naturally aspirated UV stable Radiation shield Protection against wind-blown precipitation/dust 	 Complies with ISO 9060 and WMO Guidelines Output in watts per metre² 180° hemispherical field of view Records sunshine hours Integrated Hukseflux LP02 pyranometer Glass dome 	 Wind speed & direction Apparent and true wind (with GPS) WMO wind averages and gust Compass 	 Solar radiation w/m² Sunshine hours hrs Solar Noon Temperature °C/°F/°K Relative humidity % Rh Barometric pressure hPa, mbar, mm Hg, In Hg Wet bulb temperature °C/°F/°K Absolute humidity g/m³
264mm		 Height above sea level m Sunrise/sunset Position of the sun Twilight MSL pressure PRECIPITATION (INPUT) Ready for customer supplied 0-9.998 mm tipping bucket rain gauge via connector 	 Air density kg/m³ Precipitation mm/hr, mm/total, in/hr, in/total Wind speed m/s, km/hr, mph, kts, ft/min Wind direction ° Wind chill °C/°F/°K True/apparent wind Angle of Tilt Outputs RS232, 422, 485 (ASCII), SDI-12, NMEA, MODBUS, Analogue (option)
* Please see the manual for a full list o	Ø38.5mm Ø44.5mm	All MaxiMet Models I Quality Measurements Lightweight and Robust Low Power Mode Free of Charge Software Gill Proven Reliability Compact Integrated Desi	 Real Time Output Easy Installation Gill Customer Support 2 Year Warranty

Applications

- Building and Industrial Controls
- Authorities
- Transport

WIND SPEED		
Range	0.01 m/s to 60 m/s	
Accuracy	± 3% to 40 m/s, ± 5% to 60 m/s	
Resolution m/s	0.01	
Starting Threshold	0.01 m/s	
Sampling Rate	1 Hz	
Units	m/s, km/hr, mph, kts, ft/min	

	WIND DIRECTION		
Range	0-359°		
Accuracy	± 3° to 40 m/s ± 5° to 60 m/s		
Resolution	1°		
Starting Threshold	0.05 m/s		
Sampling Rate	1 Hz		
Units	Degrees		

TEMPERATURE	
Range	-40°C to +70°C
Resolution	0.1
Accuracy	± 0.3°C @ 20°C
Sampling Rate	1 Hz
Units	°C, °F, °K

HUMIDITY		
Range	0-100%	
Resolution	1%	
Accuracy	± 2% @ 20°C (10%-90% RH)	
Sampling Rate	1 Hz	
Units	% Rh, g/m³	

Specifications may be subject to change without prior notice



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- Coastal
- Agricultural
- Safety

DEW POINT	
Range	-40°C to +70°C
Resolution	0.1
Accuracy	± 0.3°C @ 20°C
Units	°C, °F, °K
Sampling Rate	1 Hz

PRESSURE	
Range	300 to 1100 hpa
Resolution	0.1 hPa
Accuracy	± 0.5 hPa @ 25°C
Sampling Rate	1 Hz
Units	hPa, mbar, mmHg, inHg

PRECIPITATION (Input)		
Measurement input type	TBRG	
Range	0-1000 mm/hr	
Precipitation Resolution	0-9.998 mm Software selectable	
Units	mm/hr, mm/total, mm/24 hr, in/hr, in/total, in/24 hr	
Input to GMX	Contact closure via an M8 male 4-Pin connector Optional 20m cable or mating female connector required	

- Educational
- Commercial
- Energy

GLOBAL SOLAR RADIATION		
Wavelength Sensitivity	300 to 3000 nm	
Output Range	0 to 1600 W/m ²	
Resolution	1 W/m ²	
DIN Standard	ISO 9060 Second Class	
Sampling Rate	1 Hz	
Units	W/m ²	

OUTPUTS		
Output rate	1/s, 1/min, 1/hr	
Digital Comms Modes	Serial RS232, RS422, RS485, SDI-12, NMEA, MODBUS, ASCII	
Analogue Outputs	Available via separate optional device	

POWER	
Power Supply	5 to 30 Vdc
Power (Nominal) 12 Vdc	25 mA continuous high mode. 0.7 mA eco-power mode (1 hour polled)

ENVIRONMENTAL CONDITIONS		
IP Rating	66	
Operational Temperature Range:	-40°C to +70°C	
EMC Standard:	BS EN 61326-2-1:2013 FCC, CFR Title 47, Part 15, Subpart B, Class A digital device	
CE Marking	YES	
RoHS compliant	YES	
Weight	0.8 Kg	
Origin	UK	

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GMX600 Compact Weather Station

GILL

The MaxiMet range of compact weather stations is designed and manufactured by Gill Instruments. MaxiMet products use reliable, high quality instruments to provide accurate meteorological information in a wide variety of applications.

GMX600 Features

Temperature, humidity, pressure. A combined instrument mounted inside three double louvered, naturally aspirated radiation shields with no moving parts. The results are high performance across each measurement over long periods of time.

Wind. Wind speed and direction measurements are provided via an ultrasonic sensor and the addition of an electronic compass provides apparent wind measurements. Average speed and direction together with WMO averages and gust data is also provided. Add GPS (optional) to provide true wind and other features.

Precipitation. An integrated optical rain gauge that automatically senses water hitting its outside surface and provides measurements based on the size and number of drops. Algorithms interpret this data and simulate the output of a tipping bucket rain gauge in a serial format. The optical rain gauge has no moving parts associated with tipping bucket gauges.

0

Ø38.5mm

Ø44.5mm



TEMP, HUMIDITY & PRESSURE	PRECIPITATION	WIND	PARAMETERS
 Air Pressure / Temperature Relative / Absolute humidity Naturally aspirated UV stable Radiation shield Protection against wind-blown precipitation/dust 	 Rainfall total Rainfall intensity Rainfall Y/N Emulated tipping bucket Integrated heater No moving parts 0.08 mm tip (customer select) 	 Wind speed & direction Apparent and true wind (with GPS) WMO wind averages and gust Compass 	 Temperature °C / °F / °K Relative humidity % Rh Barometric pressure hPa, mbar, mm Hg, In Hg Absolute humidity g/m³ Air density kg/m3 Precipitation mm/hr, mm/total, in/hr, in/total
	m 40m	GPS (OPTION) Height above sea level m Sunrise/sunset Position of the sun Twilight Solar Noon MSL pressure	 Wind speed m/s, km/hr, mph, kts, ft/min Wind direction ° True/apparent wind Wind chill °C/°F/°K Wet bulb temperature °C/°F/°K Angle of Tilt Outputs RS232, 422, 485 (ASCII), SDI-12, NMEA, MODBUS, Analogue (option)
261mm	Zāmmēz	All MaxiMet Models F Quality Measurements Lightweight and Robust Low Power Mode	 eature Real Time Output Easy Installation Gill Customer Support

Free of Charge Software

Compact Integrated Design

Gill Proven Reliability

2 Year Warranty

Applications

WIND SPEED

Resolution m/s

Sampling Rate

Starting Threshold

WIND DIRECTION

Range Accuracy

Units

Range

Units

Range Resolution

Accuracy

Units

Range

Units

Resolution Accuracy

Sampling Rate

Sampling Rate

HUMIDITY

Accuracy

Resolution

Starting Threshold

TEMPERATURE

Sampling Rate

Building and Industrial Controls

0.01 m/s to 60 m/s

m/s, km/hr, mph, kts, ft/min

± 3% to 40 m/s, ± 5% to 60 m/s

0.01

1 Hz

0-359°

1°

0.05 m/s

Degrees

-40°C to +70°C

± 0.3°C @ 20°C

1 Hz

0.1

1 Hz

°C, °F, °K

0-100%

1%

1 Hz

% Rh, g/m³

± 3° to 40 m/s

 \pm 5° to 60 m/s

0.01 m/s

- Authorities
- Transport

 Coastal

- Agricultural
- Safety

DEW POINT	
Range	-40°C to +70°C
Resolution	0.1
Accuracy	± 0.3°C @ 20°C
Units	°C, °F, °K
Sampling Rate	1 Hz

PRESSURE	
Range	300 to 1100 hpa
Resolution	0.1 hPa
Accuracy	± 0.5 hPa @ 25°C
Sampling Rate	1 Hz
Units	hPa, mbar, mmHg, inHg

PRECIPITATION		
Measurement type	Optical	
Range	0 to >300 mm/hr	
Precipitation Resolution	0.08 mm (Customer selectable)	
Repeatability	3%	
Sampling Rate	1 Hz	
Units	mm/hr, mm/total, in/hr, in/ total	
Heating	YES	

- Educational
- Commercial
- Energy

OUTPUTS	
Output rate	1/s, 1/min, 1/hr
Digital Comms Modes	Serial RS232, RS422, RS485, SDI-12, NMEA, MODBUS, ASCII
Analogue Outputs	Available via separate optional device

POWER	
Power Supply	5 to 30 Vdc
Power (Nominal) 12 Vdc	64 mA continuous high mode. 0.7 mA eco-power mode (1 hour polled)

ENVIRONMENTAL CONDITIONS		
IP Rating	66	
Operational Temperature Range:	-40°C to +70°C	
EMC Standard:	BS EN 61326-2-1:2013 FCC, CFR Title 47, Part 15, Subpart B, Class A digital device	
CE Marking	YES	
RoHS compliant	YES	
Weight	0.8 Kg	
Origin	UK	

Specifications may be subject to change without prior notice

± 2% @ 20°C (10%-90% RH)



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