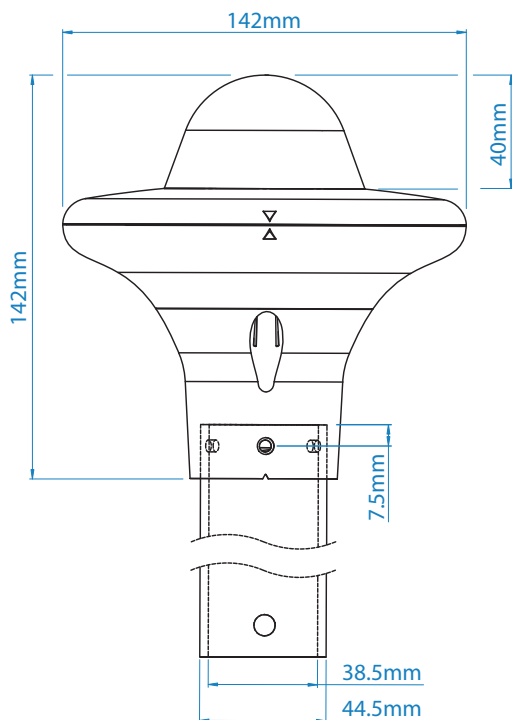


GMX100 Compact Weather Station

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
<ul style="list-style-type: none"> Rainfall total Rainfall intensity Rainfall Y/N Emulated tipping bucket Integrated heater No moving parts 0.08 mm tip Optical Rain Gauge (customer selectable) 	<ul style="list-style-type: none"> Precipitation <i>mm/hr, mm/total, in/hr, in/total</i> Angle of Tilt Outputs <i>RS232, 422, 485 (ASCII), SDI-12, NMEA, MODBUS, Analogue (option)</i>
	GPS (MANUAL)
	<ul style="list-style-type: none"> Height above sea level <i>m</i> 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

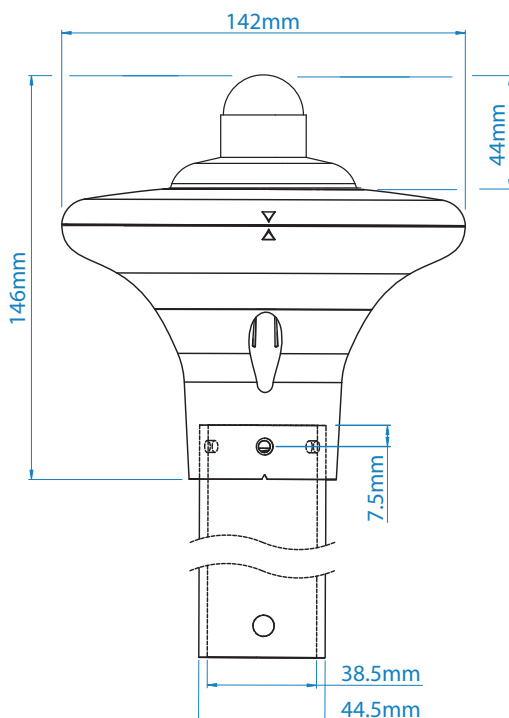
The MaxiMet range of compact weather stations is designed and manufactured by Gill Instruments. MaxiMet products use reliable, high quality instruments to provide accurate meteorological information in a wide variety of applications.

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 aid correct vertical and angled mounting.



SOLAR RADIATION	PARAMETERS
<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Solar radiation W/m^2 Sunshine hours <i>hrs</i> Twilight Sunrise Sunset Position of the sun Solar Noon Angle of Tilt Outputs <i>RS232, 422, 485 (ASCII), SDI-12, NMEA, MODBUS, Analogue (option)</i>



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

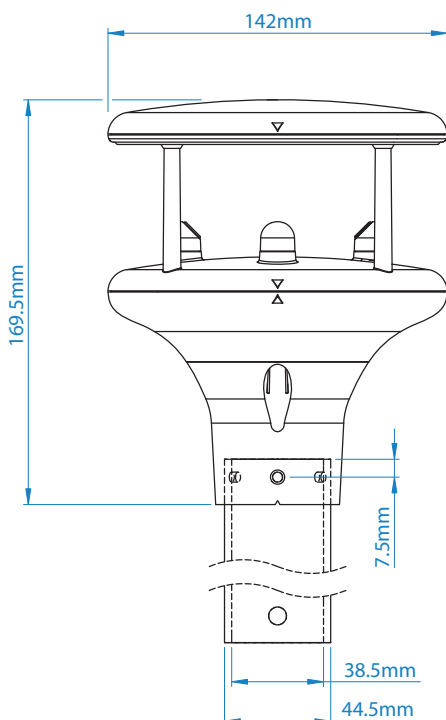
The MaxiMet range of compact weather stations is designed and manufactured by Gill Instruments. MaxiMet products use reliable, high quality instruments to provide accurate meteorological information in a wide variety of applications.

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.



WIND	GPS (OPTION)	PARAMETERS
<ul style="list-style-type: none"> Wind speed & direction Apparent and true wind (with GPS) WMO wind averages and gust Compass GPS (optional) gives height above sea level, latitude and longitude 	<ul style="list-style-type: none"> Height above sea level <i>m</i> MSL pressure Sunrise/sunset Position of the sun Twilight Solar Noon 	<ul style="list-style-type: none"> Wind speed <i>m/s, km/hr, mph, kts, ft/min</i> Wind direction ° True/apparent wind Angle of Tilt Outputs <i>RS232, 422, 485 (ASCII), SDI-12, NMEA, MODBUS, Analogue (option)</i>



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

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)

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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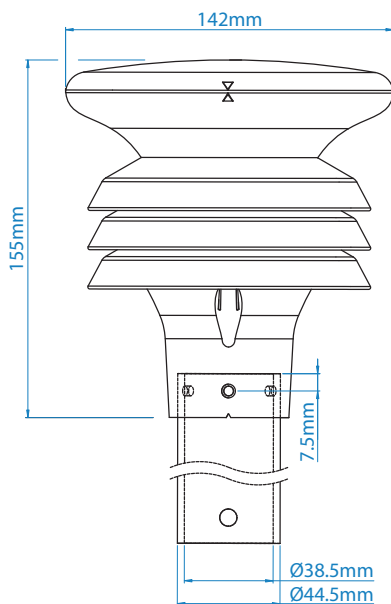
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GMX300 Compact Weather Station

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.



TEMP, HUMIDITY & PRESSURE	PARAMETERS
<ul style="list-style-type: none"> Air Pressure / Temperature Relative / Absolute humidity Naturally aspirated UV stable radiation shield Protection against wind-blown precipitation/dust 	<ul style="list-style-type: none"> Temperature °C / °F / °K Relative humidity % Rh Barometric pressure hPa, mbar, mm Hg, In Hg Absolute humidity g/m³ 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)
	<ul style="list-style-type: none"> 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

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

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

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)

HUMIDITY	
Range	0-100%
Resolution	1%
Accuracy	± 2% @ 20°C (10%-90% RH)
Sampling Rate	1 Hz
Units	% Rh, g/m ³

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

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

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

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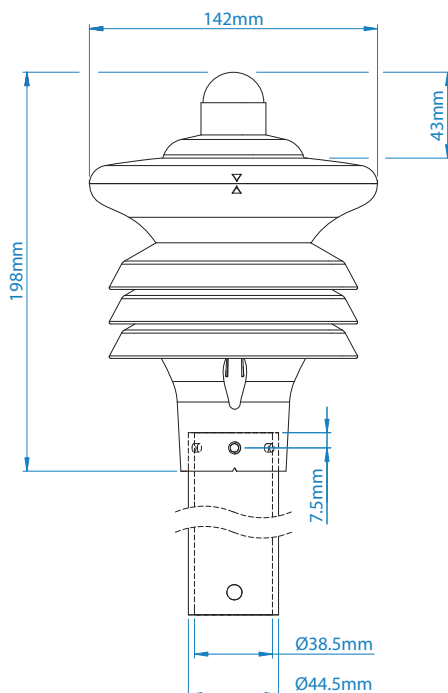
GMX301 Features

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
<ul style="list-style-type: none"> Air Pressure / Temperature Relative / Absolute humidity Naturally aspirated UV stable radiation shield Protection against wind-blown precipitation/dust 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Solar radiation w/m^2 Sunshine hours <i>hrs</i> 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/m^3 Air density kg/m^3 Angle of Tilt Outputs RS232, 422, 485 (ASCII), SDI-12, NMEA, MODBUS, Analogue (option)
		GPS (MANUAL)
		<ul style="list-style-type: none"> Height above sea level <i>m</i> 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

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

Applications

- Building and Industrial Controls
- Authorities
- Transport
- Coastal
- Agricultural
- 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

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

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)

HUMIDITY	
Range	0-100%
Resolution	1%
Accuracy	± 2% @ 20°C (10%-90% RH)
Sampling Rate	1 Hz
Units	% Rh, g/m ³

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

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

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

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

Specifications may be subject to change without prior notice



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GMX400 Compact Weather Station

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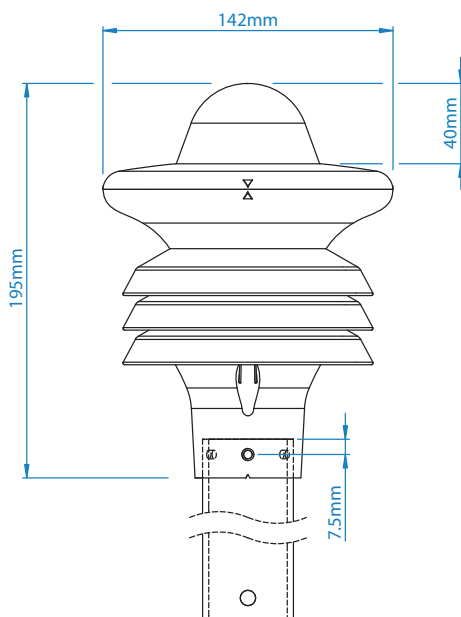
GMX400 Features

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. 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.



TEMP, HUMIDITY & PRESSURE	PRECIPITATION	PARAMETERS
<ul style="list-style-type: none"> Air Pressure / Temperature Relative / Absolute humidity Naturally aspirated UV stable radiation shield Protection against wind-blown precipitation/dust 	<ul style="list-style-type: none"> Rainfall total Rainfall intensity Rainfall Y/N Emulated tipping bucket Integrated heater No moving parts 0.08mm tip Optical Rain Gauge (customer selectable) 	<ul style="list-style-type: none"> Temperature °C / °F / °K Relative humidity % Rh Barometric pressure hPa, mbar, mm Hg, In Hg Absolute humidity g/m³ Precipitation mm/hr, mm/total, in/hr, in/total Wet bulb temperature °C / °F / °K Angle of Tilt Outputs RS232, 422, 485 (ASCII), SDI-12, NMEA, MODBUS, Analogue (option)
		GPS (MANUAL) <ul style="list-style-type: none"> 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

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

Applications

- Building and Industrial Controls
- Authorities
- Transport
- Coastal
- Agricultural
- 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

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

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

HUMIDITY	
Range	0-100%
Resolution	1%
Accuracy	± 2% @ 20°C (10%-90% RH)
Sampling Rate	1 Hz
Units	% Rh, g/m ³

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

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)

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

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

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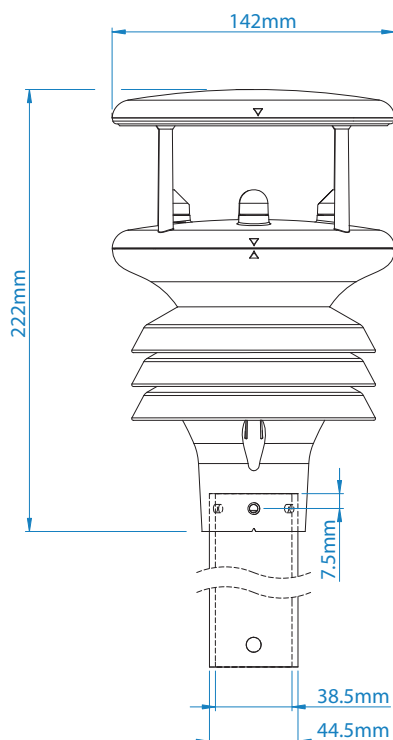
GMX500 Features

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.



TEMP, HUMIDITY & PRESSURE	WIND	GPS (OPTION)	PARAMETERS
<ul style="list-style-type: none"> Air Pressure / Temperature Relative / Absolute humidity Naturally aspirated UV stable radiation shield Protection against wind-blown precipitation/dust 	<ul style="list-style-type: none"> Wind speed & direction Apparent and true wind (with GPS) WMO wind averages and gust Compass 	<ul style="list-style-type: none"> Height above sea level <i>m</i> Sunrise/sunset Position of the sun Twilight Solar Noon MSL pressure 	<ul style="list-style-type: none"> 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 Air density kg/m³ Wind speed <i>m/s, km/hr, mph, kts, ft/min</i> Wind direction ° Wind chill °C / °F / °K True/apparent wind Angle of Tilt Outputs <i>RS232, 422, 485 (ASCII), SDI-12, NMEA, MODBUS, Analogue (option)</i>



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

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/m ³

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

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

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

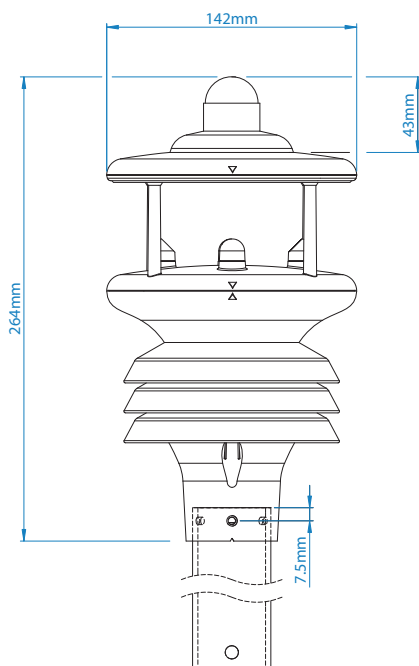
Temperature, humidity, pressure. A combined instrument mounted inside three double louvered, naturally aspirated radiation shields with no moving parts. The results are high performance across each measurement over long periods of time.

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 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.



TEMP, HUMIDITY & PRESSURE	SOLAR RADIATION	WIND	PARAMETERS
<ul style="list-style-type: none"> Air Pressure / Temperature Relative / Absolute humidity Naturally aspirated UV stable radiation shield Protection against wind-blown precipitation/dust 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Wind speed & direction Apparent and true wind (with GPS) WMO wind averages and gust Compass 	<ul style="list-style-type: none"> 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 Air density kg/m³ 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)
GPS (OPTION) <ul style="list-style-type: none"> 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

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/m ³

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

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



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GMX531 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.

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.

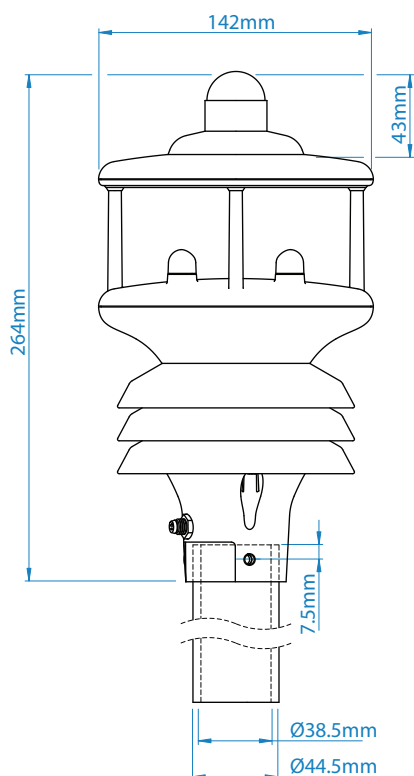
Solar radiation. An integrated solar radiation sensor/pyranometer. This highly accurate instrument uses a thermal sensor mounted at its base and protected by a single glass dome to record the amount of light in watts per metre². It is widely used in agro-meteorological applications and for monitoring 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
<ul style="list-style-type: none"> Air Pressure / Temperature Relative / Absolute humidity Naturally aspirated UV stable Radiation shield Protection against wind-blown precipitation/dust 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Wind speed & direction Apparent and true wind (with GPS) WMO wind averages and gust Compass 	<ul style="list-style-type: none"> Solar radiation w/m^2 Sunshine hours <i>hrs</i> 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 Absolute humidity g/m^3 Air density kg/m^3 Precipitation <i>mm/hr, mm/total, in/hr, in/total</i> Wind speed <i>m/s, km/hr, mph, kts, ft/min</i> Wind direction ° Wind chill °C / °F / °K True/apparent wind Angle of Tilt Outputs <i>RS232, 422, 485 (ASCII), SDI-12, NMEA, MODBUS, Analogue (option)</i>
GPS (OPTION) <ul style="list-style-type: none"> Height above sea level <i>m</i> Sunrise/sunset Position of the sun Twilight MSL pressure 			
PRECIPITATION (INPUT) <ul style="list-style-type: none"> 0.2mm tip Kaylx rain gauge 20m Cable 			



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

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

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.

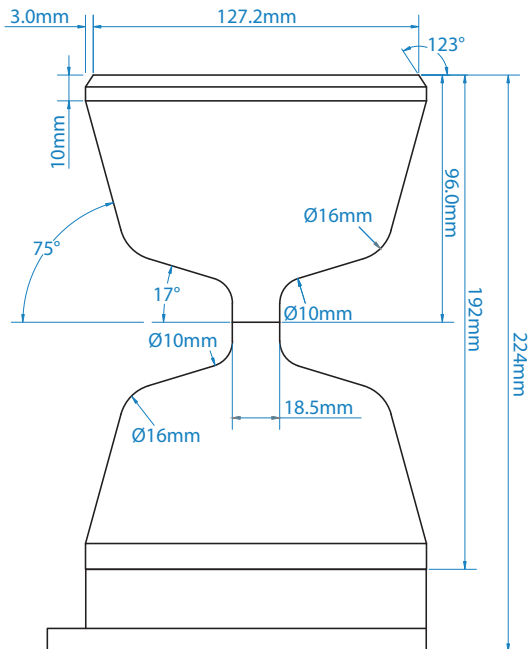
Kalyx Rain Gauge Features

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 mounting 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

Applications

- Building and Industrial Controls
- Authorities
- Transport
- Coastal
- Agricultural
- Safety
- Educational
- Commercial
- Energy

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/m ³

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

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)

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 (+ 1.2 kg Rain Gauge inc Cable)
Origin	UK

Specifications may be subject to change without prior notice



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GMX541 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.

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.

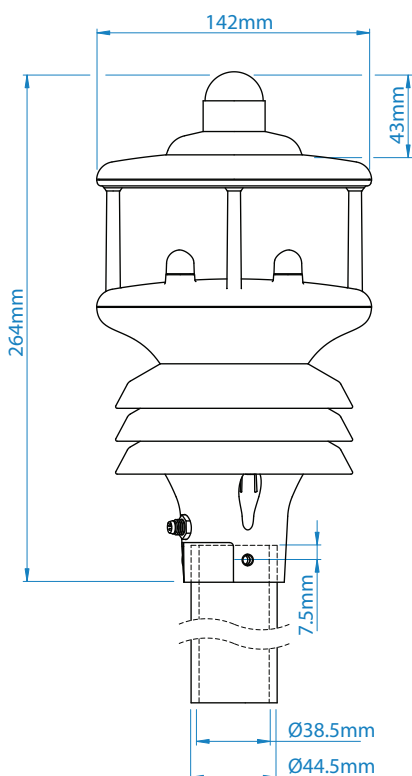
Solar radiation. An integrated solar radiation sensor/pyranometer. This highly accurate instrument uses a thermal sensor mounted at its base and protected by a single glass dome to record the amount of light in watts per metre². It is widely used in agro-meteorological applications and for monitoring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



TEMP, HUMIDITY & PRESSURE	SOLAR RADIATION	WIND	PARAMETERS
<ul style="list-style-type: none"> Air Pressure / Temperature Relative / Absolute humidity Naturally aspirated UV stable Radiation shield Protection against wind-blown precipitation/dust 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Wind speed & direction Apparent and true wind (with GPS) WMO wind averages and gust Compass 	<ul style="list-style-type: none"> Solar radiation W/m^2 Sunshine hours <i>hrs</i> Solar Noon Temperature $^{\circ}C / ^{\circ}F / ^{\circ}K$ Relative humidity % <i>Rh</i>, Barometric pressure <i>hPa, mbar, mm Hg, In Hg</i> Wet bulb temperature $^{\circ}C / ^{\circ}F / ^{\circ}K$ Absolute humidity g/m^3 Air density kg/m^3 Precipitation <i>mm/hr, mm/total, in/hr, in/total</i> Wind speed <i>m/s, km/hr, mph, kts, ft/min</i> Wind direction $^{\circ}$ Wind chill $^{\circ}C / ^{\circ}F / ^{\circ}K$ True/apparent wind Angle of Tilt Outputs <i>RS232, 422, 485 (ASCII), SDI-12, NMEA, MODBUS, Analogue (option)</i>
GPS (OPTION) <ul style="list-style-type: none"> Height above sea level <i>m</i> Sunrise/sunset Position of the sun Twilight Solar Noon MSL pressure 			
PRECIPITATION (INPUT) <ul style="list-style-type: none"> 0.08 mm tip Optical rain gauge (customer selectable) 20m Cable 			



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

Optical Rain Gauge

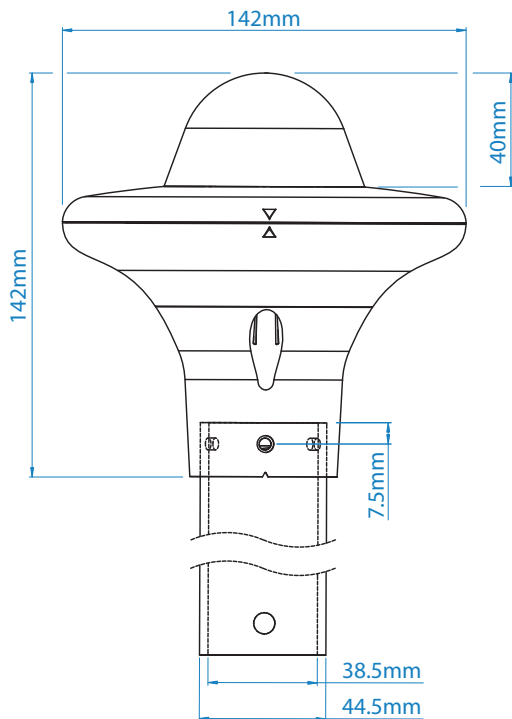
The MaxiMet range of compact weather stations is designed and manufactured by Gill Instruments. MaxiMet products use reliable, high quality instruments to provide accurate meteorological information in a wide variety of applications.

Optical Rain Gauge Features

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

Algorithms 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

- Building and Industrial Controls
- Authorities
- Transport
- Coastal
- Agricultural
- Safety
- Educational
- Commercial
- Energy

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/m ³

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

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) 1.2 Vdc	64mA continuous high mode. 0.7mA 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 (+ 1.1 kg Rain Gauge inc 20m Cable)
Origin	UK

Specifications may be subject to change without prior notice



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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

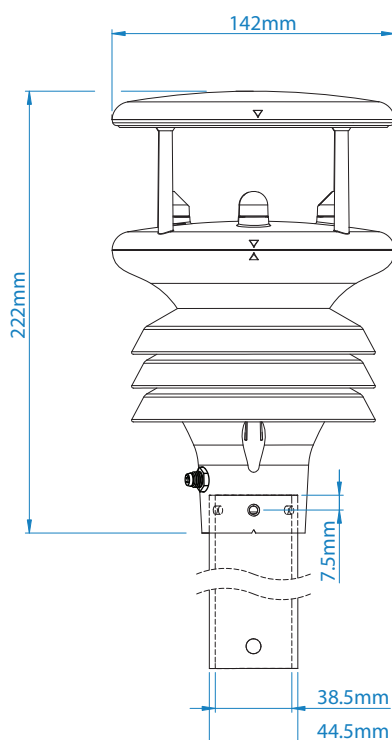
Temperature, humidity, pressure. A combined instrument mounted inside three double louvered, naturally aspirated radiation shields with no moving parts. The results are high performance across each measurement over long periods of time.

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
<ul style="list-style-type: none"> Air Pressure / Temperature Relative / Absolute humidity Naturally aspirated UV stable radiation shield Protection against wind-blown precipitation/dust 	<ul style="list-style-type: none"> Wind speed & direction Apparent and true wind (with GPS) WMO wind averages and gust Compass 	<ul style="list-style-type: none"> Height above sea level <i>m</i> Sunrise/sunset Position of the sun Solar Noon Twilight MSL pressure 	<ul style="list-style-type: none"> 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 Air density kg/m³ Wind speed <i>m/s, km/hr, mph, kts, ft/min</i> Wind direction ° Wind chill °C / °F / °K True/apparent wind Precipitation <i>mm/hr, mm/total, in/hr, in/total</i> Angle of Tilt Outputs <i>RS232, 422, 485 (ASCII), SDI-12, NMEA, MODBUS, Analogue (option)</i>
		PRECIPITATION (INPUT)	
		<ul style="list-style-type: none"> Ready for customer supplied custom tip rain gauge via connector 	



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

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	0.01 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/m ³

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

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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GMX551 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.

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.

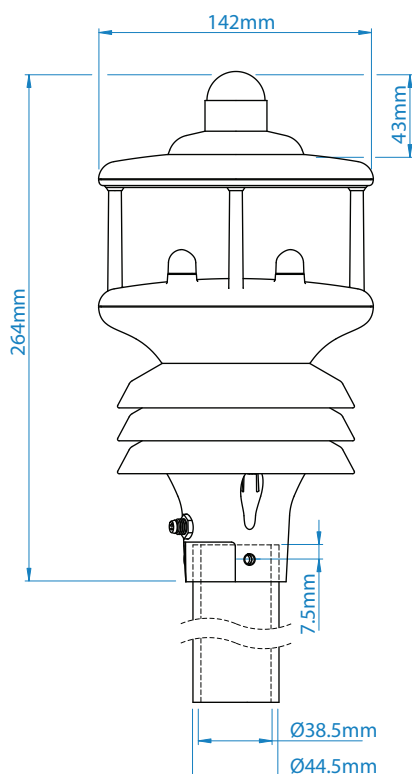
Solar radiation. An integrated solar radiation sensor/pyranometer. This highly accurate instrument uses a thermal sensor mounted at its base and protected by a single glass dome to record the amount of light in watts per metre². It is widely used in agro-meteorological applications and for monitoring 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
<ul style="list-style-type: none"> Air Pressure / Temperature Relative / Absolute humidity Naturally aspirated UV stable Radiation shield Protection against wind-blown precipitation/dust 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Wind speed & direction Apparent and true wind (with GPS) WMO wind averages and gust Compass 	<ul style="list-style-type: none"> Solar radiation w/m^2 Sunshine hours <i>hrs</i> Solar Noon Temperature °C / °F / °K Relative humidity % <i>Rh</i> Barometric pressure <i>hPa, mbar, mm Hg, In Hg</i> Wet bulb temperature °C / °F / °K Absolute humidity g/m^3 Air density kg/m^3 Precipitation <i>mm/hr, mm/total, in/hr, in/total</i> Wind speed <i>m/s, km/hr, mph, kts, ft/min</i> Wind direction ° Wind chill °C / °F / °K True/apparent wind Angle of Tilt Outputs <i>RS232, 422, 485 (ASCII), SDI-12, NMEA, MODBUS, Analogue (option)</i>
		GPS (OPTION) <ul style="list-style-type: none"> Height above sea level <i>m</i> Sunrise/sunset Position of the sun Twilight MSL pressure 	
		PRECIPITATION (INPUT) <ul style="list-style-type: none"> Ready for customer supplied 0-9.998 mm tipping bucket rain gauge via connector 	



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

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/m ³

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

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

Specifications may be subject to change without prior notice



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GMX600 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.

GMX600 Features

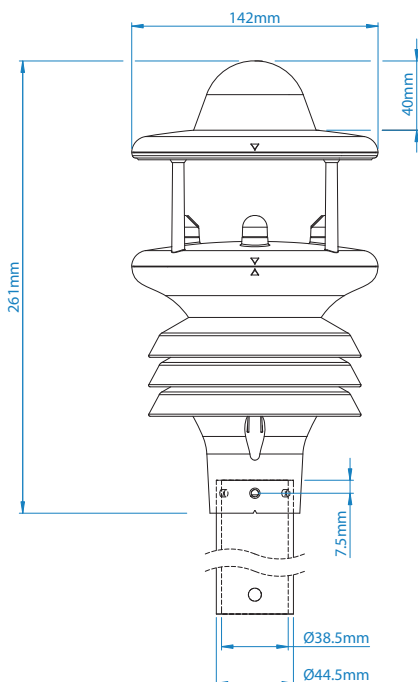
Temperature, humidity, pressure. A combined instrument mounted inside three double louvered, naturally aspirated radiation shields with no moving parts. The results are high performance across each measurement over long periods of time.

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.



TEMP, HUMIDITY & PRESSURE	PRECIPITATION	WIND	PARAMETERS
<ul style="list-style-type: none"> Air Pressure / Temperature Relative / Absolute humidity Naturally aspirated UV stable Radiation shield Protection against wind-blown precipitation/dust 	<ul style="list-style-type: none"> Rainfall total Rainfall intensity Rainfall Y/N Emulated tipping bucket Integrated heater No moving parts 0.08 mm tip (customer select) 	<ul style="list-style-type: none"> Wind speed & direction Apparent and true wind (with GPS) WMO wind averages and gust Compass 	<ul style="list-style-type: none"> 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
		GPS (OPTION)	<ul style="list-style-type: none"> 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)
		<ul style="list-style-type: none"> Height above sea level m Sunrise/sunset Position of the sun Twilight Solar Noon MSL pressure 	



All MaxiMet Models Feature

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- Low Power Mode
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- Compact Integrated Design
- Real Time Output
- Easy Installation
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- 2 Year Warranty

Applications

- Building and Industrial Controls
- Authorities
- Transport
- Coastal
- Agricultural
- Safety
- Educational
- Commercial
- Energy

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/m ³

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

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



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oriented company with a worldwide distribution network and offices in Australia, Germany, the Netherlands, Singapore and the United Kingdom.

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