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.

**All MaxiMet Models Feature**

- Quality Measurements
- Lightweight and Robust
- Low Power Mode
- Free of Charge Software
- Gill Proven Reliability
- Compact Integrated Design

**GMX100 Compact Weather Station**

**PRECIPITATION**

<table>
<thead>
<tr>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rainfall total</td>
</tr>
<tr>
<td>Rainfall intensity</td>
</tr>
<tr>
<td>Rainfall Y/N</td>
</tr>
<tr>
<td>Emulated tipping bucket</td>
</tr>
<tr>
<td>Integrated heater</td>
</tr>
<tr>
<td>No moving parts</td>
</tr>
<tr>
<td>0.08 mm tip Optical Rain Gauge (customer selectable)</td>
</tr>
</tbody>
</table>

**PARAMETERS**

- 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

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

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
- CE Marking: YES
- RoHS compliant: YES
- Weight: 0.3 Kg
- Origin: UK

Outputs
- Output rate: 1/s, 1/min, 1/hr
- Digital Comm 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