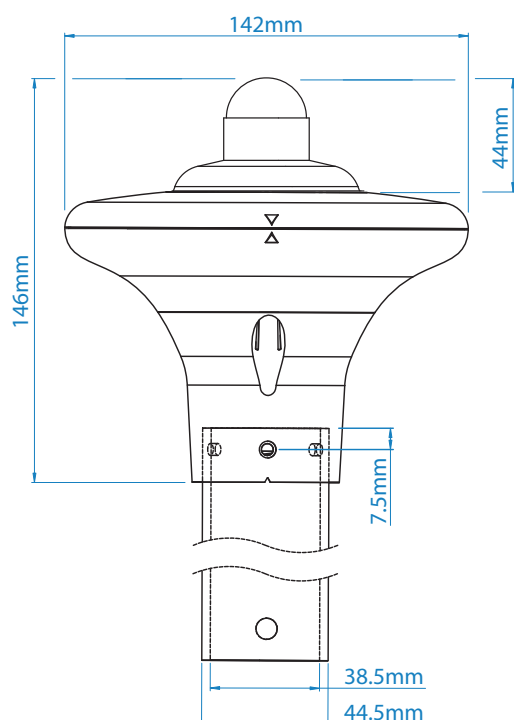


## GMX101 Compact Weather Station

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 metre<sup>2</sup>. 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"> <li>Complies with ISO 9060 and WMO Guidelines</li> <li>Output in watts per metre<sup>2</sup></li> <li>180° hemispherical field of view</li> <li>Records sunshine hours</li> <li>Integrated Hukseflux LP02 pyranometer</li> <li>Glass dome</li> </ul>	<ul style="list-style-type: none"> <li>Solar radiation <math>w/m^2</math></li> <li>Sunshine hours <i>hrs</i></li> <li>Twilight</li> <li>Sunrise</li> <li>Sunset</li> <li>Position of the sun</li> <li>Solar Noon</li> <li>Angle of Tilt</li> <li>Outputs <i>RS232, 422, 485 (ASCII), SDI-12, NMEA, MODBUS, Analogue (option)</i></li> </ul>

#### 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

For pricing or any further information, please contact Omni Instruments Ltd.

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Dundee, DD4 7RH, UK

## 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 <sup>2</sup>
Resolution	1 w/m <sup>2</sup>
DIN Standard	ISO 9060 Second Class
Sampling Rate	1 Hz
Units	w/m <sup>2</sup>

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	6 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 : 2013 FCC CFR47 parts 15.109
CE Marking	YES
RoHS compliant	YES
Weight	0.4 Kg
Origin	UK

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

Specifications may be subject to change without prior notice



Whilst every effort has been made to ensure the accuracy of this specification, we cannot accept responsibility for damage, injury, loss or expense from errors or omissions. In the interest of technical improvement, this specification may be altered without notice.

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