

G2-MET

WEATHER STATION

- Integrated weather sensor for meteorological data
- Streamlined design for easy operation and mobility
- Real-time data and alert notifications
- Web portal for access to live and historic data
- Low maintenance and remote configuration

The NexSens G2-MET is an integrated weather station monitoring system. The device measures, logs and transmits wind speed, wind direction, air temperature, barometric pressure and humidity values directly to a personalized WQData LIVE web datacenter.

G2-MET is configured through the cellular network using a web browser. Configurable text or email alerts provide real-time notifications to any mobile device or computer. Historical data can be viewed, graphed and downloaded for further analysis.

With an included solar power pack, data logger, cellular modem and weather station all pre-mounted to a 2" NPT pipe, the G2-MET can be configured and deployed in just a few minutes. The complete system simply screws onto a 2" diameter pole with NPT pipe threads. All connections are made using waterproof connectors - no wiring or complicated programming is required.

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specifications

G2-MET	
Mount	2" NPT pipe thread
Material	Aluminum body with white powder coat finish
Weight	23.0 lbs.
Dimensions	9.9" width, 37.6" height
Temperature Range	-25 to 55°C
Rating	IP65
Memory	Over 20M data records before rollover (Over 75 years with a 30 minute interval)
Power Pack	6W solar panel with 12V 6Ahr SLA battery
Power Connector	NexSens UW-6
Communication	NexSens hosted Verizon 4G cellular modem
Transmission Trigger	Parameter threshold, time-based
User Interface	NexSens WQData LIVE 2.0 web portal
Log Interval	User configurable from 1 minute (30 minute default) ¹
User Parameters	Wind speed, wind direction, air temperature, barometric pressure, relative humidity
Diagnostic Data Parameters	Input power, internal pressure, internal temperature, internal humidity, cell signal strength, cell module power, processor power, processor current, RTC power, cell module current, cell status



Included Airmar 110WX Weather Station			
PARAMETER	RANGE	RESOLUTION	ACCURACY
Wind Speed	0 to 90 MPH	0.1 MPH	Low wind (0-11.5 MPH): 1.1 MPH + 10% of reading ² High wind (11.5-90 MPH): 2.3 MPH or 5%, whichever is greater ²
Wind Direction	0 to 360°	0.1°	Low wind (4.6-11.5 MPH): 5° RMS typical ² High wind (>11.5 MPH): 2° RMS typical ²
Air Temperature	-40 to 131°F	0.1°F	+/- 2°F @ >4.6MPH wind
Barometric Pressure	24 to 33 inHg	0.029 inHg	+/- 0.029 inHg when altitude correction available
Relative Humidity	10 to 95%	N/A	+/- 5%

¹ System power consumption and availability vary based on configuration and location. Please utilize the Power Calculator to determine application specific requirements.

² Valid for 32-131°F with no precipitation. Outside these conditions accuracy decreases.

parts list

Part #	Description
G2-MET	Cellular weather station with integrated solar power pack
VZ-5MB-M	Verizon cellular data service with 5 MB monthly allowance & static IP address, priced per month
VZ-5MB-Y	Verizon cellular data service with 5 MB monthly allowance & static IP address, priced per year
UW6-USB-485P	USB PC adapter, X2/G2 Series



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