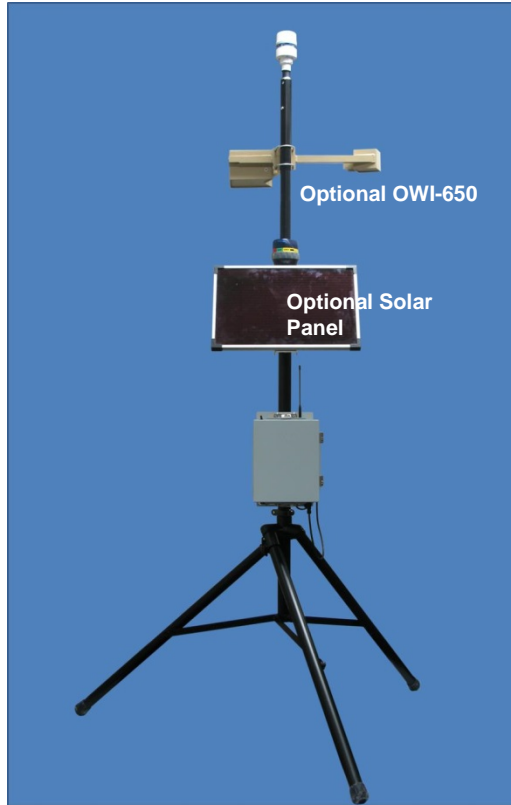




# HazMet100 Portable Automated Weather Station EPA Cameo/Aloha Data Format



The HazMet100 Portable AWS is an advanced, Portable **A**utomated **W**eather **S**tation built around the **2100-138 multi meteorological sensor**. The low power requirements of the HazMet100 AWS make it well suited for portable battery and solar powered applications. The system has been designed from the ground up for fast setup anywhere.



The Compact 2100-138 includes built-in GPS and electronic compass. The sensor measures and reports wind speed, wind direction (self-aligning to North, orientation of wind sensor to north is not required), temperature, relative humidity, and barometric pressure. Dew point is calculated

## HazMet100<sup>®</sup> Advantages

- EPA Cameo/Aloha Data Format (HazMet100)
- Easy installation
- Portable system which reports wind, temperature, RH, barometric pressure and more.
- Optional OWI-650 is easily added (optical weather and visibility sensor)
- Built in electronic compass means the wind sensor does not need to be aligned to North.
- Battery or AC Powered; Solar power options available
- Small size, light weight, rugged design, & easily deployed in under five minutes.
- Spread radio included in Model HazMet100
- SD Card storage included in Model HazMet100B
- Virtually no maintenance required

The fully automated HazMet100 AWS provides accurate wind, temperature, relative humidity, dew point, and barometric pressure. The optional OWI-650 adds real time visibility, present weather, and precipitation rate values. Tripod, tripod carrying bag, and hard case are included. The hard case houses the 2100-138, battery/interface enclosure, spread spectrum radios, optional OWI-650, and optional solar panel for storage and transportation

System set up may be done in less than 5 minutes. Setup does not require tools.

## HazMet100<sup>®</sup> Ordering Information:

- **HazMet100** Designed for hazardous response applications; EPA Cameo/Aloha Data Format
- **HazMet100B** Design for remote applications where data is stored on SD Card

## Consult factory for HazMet100 Accessories including:

- OWI-650 Optical Weather Identifier and Visibility Sensor
- Solar Power Options
- Solar power kits

## HazMet100 Specification

### Multi-Sensor

Parameter	DATA
<b>Wind Sensor</b>	Ultrasonic
Wind Speed Threshold	0.02 mph
Wind Speed Range	0 - 90 mph
Wind Speed Resolution	0.2 mph
Wind Direction Threshold	0.02 mph
Wind Direction Range	0 - 360 degrees
Wind Direction Resolution	0.1 degrees
<b>Temperature</b>	Solid State
Accuracy	0.6 F
Range	-40 to 131 F
Resolution	0.1 F
<b>Relative Humidity</b>	Capacitive
Accuracy	+ 4% 10-95%
Resolution	1%
<b>Barometric Pressure</b>	Solid State
Accuracy	+0.03 inHg
Full Range	8.86 -32.5 inHg
Resolution	0.003 inHg
<b>GPS Accuracy</b>	3 Meters
<b>Solid State Compass</b>	1 degree static
Power Requirement	9 to 40 VDC <90ma@12VDC
Operational Temperature	-40 to +131 F

### WeatherCaster Software

Parameter	DATA
Interface	USB 38400 baud
Platform	Windows 7/8/Vista/XP
Display Windows	User Configurable

### Electronic Enclosure

Parameter	DATA
Size and Weight	10" x 8"x6" Aluminum. 12 Lbs with 12 AH battery
Operational Time	4 days plus
<b>Interface</b>	
Weather Display	USB
Aloha compatible serial data	902-928MHz Spread Spectrum RF modem *Up to 28 mile range w/High gain Antenna
Battery	12 Ah GEL battery *Optional Solar Panel

### Tripod

Parameter	DATA
Load Capacity	150 Lbs
Extended Height	9'2"
Weight	10.2 Lbs
Base Diameter	47"
<b>Additional Features</b>	
Leveling leg for uneven ground setup	
Tool less for easy setup and dismantle	

### Optional OWI-650 Specs

See OWI-650-DS data sheet

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