HazMET100 Portable Automated Weather Station

The HazMET100 Portable AWS is an advanced, Portable **A**utomated **W**eather **S**tation built around the **2100-138 Multi-parameter 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 sensor incorporates built-in GPS and electronic compass and measures / 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® Advantages

- **Easy installation**
- **Portable system which reports wind, temperature, RH, barometric pressure and more.**
- **Optional OWI-650 is easily added (present weather / precipitation / visibility sensor)**
- **EPA Cameo/Aloha Data Format standard**
- **Built in electronic compass eliminates need to align wind sensor North.**
- **Battery or AC Powered; Solar power options available**
- **Small size, light weight, rugged design, & easily deployed in under five minutes.**
- **Spread radio included**
- **Design for unattended operation**
- **Virtually no maintenance required**
- **Built-in self-diagnostics & testing**

The fully automated HazMET100 AWS provides accurate wind, temperature, relative humidity, dew point, and barometric pressure. The tripod, tripod carrying bag, and Pelican hard case are included. The wheeled hard case houses the 2100-138, battery / interface enclosure and all accessories and optional items for easy storage and transportation.

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

HazMET100® Ordering Information:

- Model No: HazMET100 (Specify Metric or ANSI units); includes 2100-138; 10 AH battery, battery/interface enclosure; spread spectrum RF modem; tripod; tripod carrying bag; and hard case for 2100-138, battery/interface enclosure and accessories / options

Consult factory for HazMET100 Accessories including:

- OWI-650 Optical Weather Identifier and Visibility Sensor Option
- 20W Solar Panel Option

HazMET100 Specifications

Multi-Sensor

Parameter	DATA
Wind Sensor	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
Temperature	Solid State
Accuracy	0.6 F
Range	-40 to 131 F
Resolution	0.1 F
Wind Speed Resolution	0.2 mph
Wind Direction Threshold	0.02 mph
Wind Direction Range	0 - 360 degrees
Wind Direction Resolution	0.1 degrees
Relative Humidity	Capacitive
Accuracy	± 4% 10-95%
Resolution	1%
Barometric Pressure	Solid State
Accuracy	±0.03 inHg
Full Range	8.86 -32.5 inHg
Resolution	0.003 inHg
GPS Accuracy	3 Meters
Solid State Compass	1 degree static
Power Requirement	9 to 40 VDC <90ma@12VDC
Operational Temperature	-40 -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
Interface	
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"
Additional Features	
Leveling leg for uneven ground setup	
Tool less easy setup and dismantle	

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