



Mesotech's Weather Pro™ HazMat Station is a lightweight, portable weather station well suited to the needs of hazardous materials crews and first responders. The complete system weighs approximately 20 pounds, and one person can set it up in less than five minutes without tools; the connectors are preconfigured for our sensors and snap together with a twist. Once the sensors are connected, just turn on the power and data collection begins. For easy remote monitoring, you can mount it on a vehicle or deploy it on a tripod.

Flexible Data Logging Capability

The HazMat Station has embedded data logging software, which you can easily configure to your requirements and collect weather data at custom intervals or in real time. The system's non-volatile data memory can store from 53,000 to 315,000 data collections. Using an RS-232 or RS-422/485 connection to a Windows® PC, you can use that data with hazmat, ALOHA®, CAMEO®, Emergency Response, or

Homeland Security software. For more advanced analysis, you can use Mesotech's Weather Advisor Pro™ software. You can also view and evaluate the readings with a handheld data display.

Features

- Compact, Lightweight, Reliable
- Quick installation
- Easy-to-use embedded software
- Versatile power options
- Data logging and real-time output
- Includes data logger, embedded software, sensors, and stand

Versatility, Reliability, and Durability

Mesotech's HazMat Station is the model of weather monitoring versatility. For example, its portability allows you to set up for either temporary or long-term data collection. The sensors and data acquisition unit easily mount on either our lightweight aluminum tripod or on a fixed tower. And power options are numerous: AC, DC, rechargeable battery, or solar power – the best solution for remote long-term use.

Mesotech's weather stations are known worldwide for their reliability, durability, and data measurement

precision. So regardless of your specific application or installation, the HazMat Station is built to last in even the harshest conditions – from the sub-zero temperatures of the Arctic to the hot and arid climate of the Sahara.

Weather Advisor Pro™ Software

Weather Advisor Pro is an easy-to-use program for weather observation and reporting. The software runs on Windows XP and 2000 operating systems and is designed to work with Mesotech's advanced sensors and data acquisition platforms. It is available in single user and network versions.

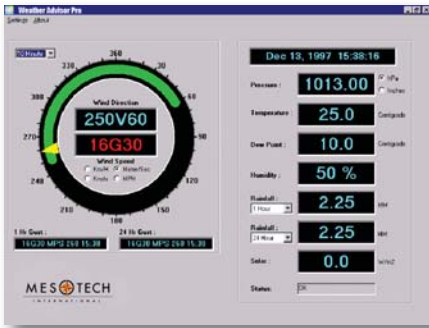
The program's main function is to gather data from one or more field stations and present that data on-screen in a straightforward graphical format. With collected data, you can create standard reports, such as SYNOP and other local formats; edit and approve reports before transmission, logging, or printing; or save data for later analysis.

The Weather Pro™ comes with connectors for:

- Wind speed and direction
- Temperature – air, soil, and water
- Relative humidity
- Barometer
- Tipping bucket rain gauge
- Solar radiation



You can complete most data presentation, reporting, and analysis with a single mouse click!



Weather Advisor Pro wind dial and weather reporting screen.

Weather Advisor Pro's user-friendly graphical interface and network management capability allows for quick start-up and operation with minimal training, and online help provides step-by-step instructions for all functions.

The Weather Advisor Pro software can connect to unlimited data acquisition stations, and it supports all MicroDCP™ communication

options, including high-speed wire lines, fiber cable, telephone modems, and RF telemetry.

Portability

You can order a high quality nylon carrying bag for your HazMat Station's 9-foot aluminum tripod. This, along with the customer-designed protective sensor case, allows you to transport your equipment anywhere securely and safely.

High Quality Sensors

The HazMat Station package includes a standard set of high quality sensors with proven reliability. We offer some sensors at more than one price/performance point, which allows you to customize your station to meet your measurement requirements as well as your budget.

Available Sensors

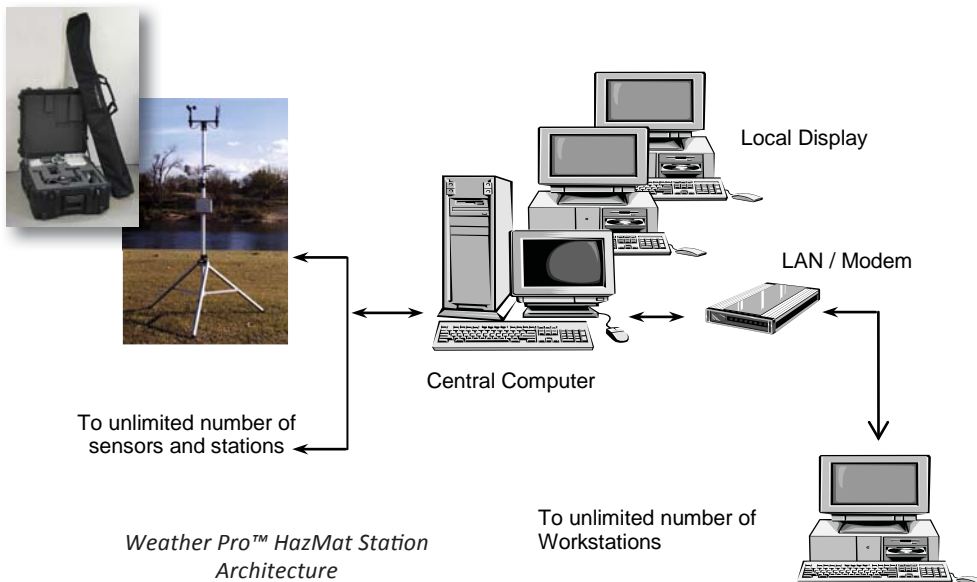
- Wind Speed/Direction
- Temperature and Relative Humidity
- Temperature (air, water, and soil)
- Barometric Pressure
- Precipitation
- Solar Radiation

Accessories

- Hand-held data display
- Communication cables
- AC Power Supply
- UPS Module and AC Power Cord
- AC Charger
- 5W Solar Panel/Charge Controller
- Sealed Rechargeable Battery
- Grounding Kit
- Lightning Rod Kit
- Tie-down Kit
- Carrying Case



The portable HazMat Station can be deployed using a lightweight 9' aluminum tripod, a vehicle mount, or a 30' tower.



Weather Pro™ HazMat Station Architecture

Example system with multiple field stations, local area network, and a central server computer supporting a wide area network.

