



Met One Instruments



► INSTALLATION

Installation is a snap with the AutoMet. Each system is pre-tested and certified. Measurements may be easily added in the future using any AutoMet™ Sensor. The supplied tool kit enables anyone to do the installation.

For portable applications, AX carrying cases provide convenient transport and the "Easi-Up" tripod takes less than 5 minutes to deploy.

► CONSTRUCTION

The AutoMet sensor array is solidly constructed of aluminum alloy and finished with a protective gloss white powder coat paint.



The electronics data package is housed in a non-ferrous Nema 4 enclosure. All electronics are conservatively rated, circuit boards are environmentally coated, with built-in surge protection.

► INPUTS

8 analog, and 1 pulse (Rain)

► POWER REQUIREMENTS

12 VDC from internal battery pack, external expansion battery, solar panel or 115/230 VAC using the power module.



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AutoMet™

AutoMet™ is a complete, self-contained, Digital Meteorological Monitoring System that provides instant access to weather information. It is ideal in situations when it is necessary to monitor and collect reliable data requiring extreme ease of installation without complicated programming.

FEATURES

- ▼ Meets or exceeds PSD regulatory requirements
- ▼ User-friendly plug-n-play configuration
- ▼ Rapid deployment—installs in minutes
- ▼ Low operating cost
- ▼ Rugged—all metal sensor array
- ▼ Keyboard/Display
- ▼ Lasting accuracy, 20,000 hour MTBF
- ▼ 200-Day storage capacity
- ▼ Data retrieval through RS-232 port, modem, radio/cellular phone
- ▼ Direct printer output
- ▼ Palm size Data Transfer Module



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AutoMet™



- WIND SPEED
- WIND DIRECTION
- TEMPERATURE
- RELATIVE HUMIDITY
- SOLAR RADIATION
- BAROMETRIC PRESSURE
- PRECIPITATION
- AND MORE, CONSULT FACTORY

AUTO-PROGRAMMING

Gathering reliable data has never been easier. AutoMet features a unique self-configuring interface allowing it to program itself. Simply plug in an AutoMet™ Sensor and AutoMet identifies the sensor type, determines its range, and writes the programming to record the sensor data.

AUTOMET™ SENSORS

AutoMet sensor array consists of selected sensors that incorporate the unique AutoMet interface.

STANDARD SENSORS

AutoMet will also work with a wide variety of standard sensors. Standard sensors are used with your logger, their logger or any of our other standard loggers.

Optional Automatic Direction Alignment (ADA) unit allows the system to collect valid wind data without the necessity of manual compass alignment procedures.

PASSWORD PROTECTION

Set-up files are protected by 4-character passwords to ensure data integrity. Passwords may be changed at any time.

AVERAGING PERIODS

Quick and easy setting of flexible averaging periods of 1, 5, 15 or 60 minutes ensures compliance with regulatory requirements.

AUTOMATIC ALARMS

Two automatic alarms may be set at any measurement channel to signal personnel about hazardous conditions or to turn equipment on or off in the event that measurement falls above, below, or within predetermined ranges.

DATA STORAGE

Internal memory module is sufficient to collect data for a period in excess of 200 days, when data is recorded on an hourly basis.

FIELD DIRECT DATA

Collecting real time or historical data from a field site has never been easier. Data can be read on site using the built-in display, your portable computer, printer, or carried off site by using Data Transfer Module.

DATA TRANSFER MODULE

The palm size Data Transfer Module may be used to transfer data from the AutoMet to any computer equipped with an RS-232 communications port.

DESKTOP DATA

Data is available on command using AutoMet and any of the communications options available. Data may be transferred to desktop computer directly via cable, radio telemetry or by a dial-up modem.

TELEMETRY OPTIONS

A license free spread spectrum radio system provides a high reliability data link between the sensor array control unit and the remote display module.

LARGE BUILT-IN DISPLAY

AutoMet includes a keyboard with 8 X40 character back-lit LCD display which allows system configuration, operation, and retrieval of data with simple menu-driven commands and context sensitive hot-keys.

Prompted display provides the easiest, quickest way to set up and scan data. Special calibration mode marks data gathered during calibration periods.

SOFTWARE

AutoMet Software is a complete package of communications, data collection, and data reporting tools with a windows-like operating environment. AutoMet Software provides complete environmental reporting in compliance with EPA and other requirements. Software support for modem, radio, direct connection, and Data Transfer Module are provided.

Summary reports are generated by AutoMet Report using monthly data files. The operator selects the period to be printed with beginning and ending prompts. Report footers provide the summary scalar averages, vector averages and percentage of data collection. AutoMet Plus Software, operates under both Windows 3.1® and greater, and Windows 95®. It provides the same reporting functions plus full graphic capabilities. Data may be reported, graphed and wind rose plots may be produced.

