

AWS-432 Modular Automated Weather Observing System (MAWOS®)



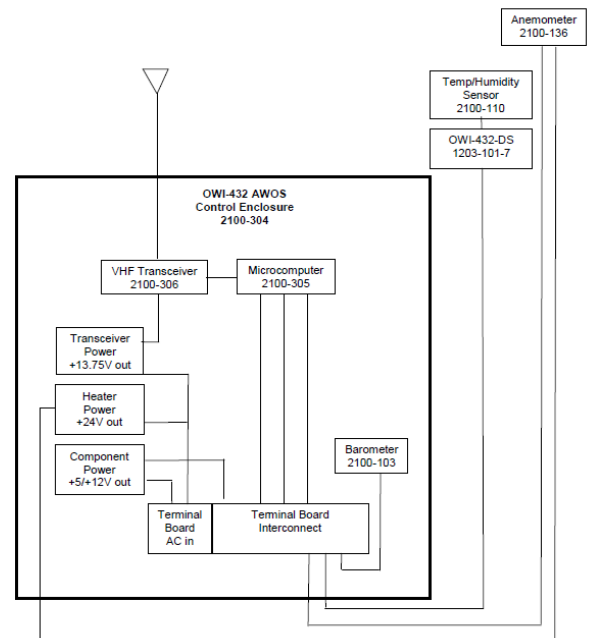
AWS-432 MAWOS® Advantages

- Modular design
- Hi-quality / multi-lingual, natural speech
- Easy installation
- Intelligent algorithms based on over 200 million hours of OSi sensor field data
- Meets NWS, FAA, and Canadian guidelines.
- Designed for unattended operation
- Very low maintenance
- Built-in self diagnostics & testing

The OSi OWI-432 MAWOS® Control Enclosure is the core of the MAWOS® system and principal point of access for the user.

OSi's AWS-432 MAWOS® is an advanced / best-value Modular Automated Weather Observing System built around the OWI-432 present weather / visibility sensor. The AWS-432 MAWOS® is designed for aviation applications and continuous weather reporting. The system is flexible, robust, easily installed, and extremely reliable. OSi has fielded weather sensors in every environment on the globe.

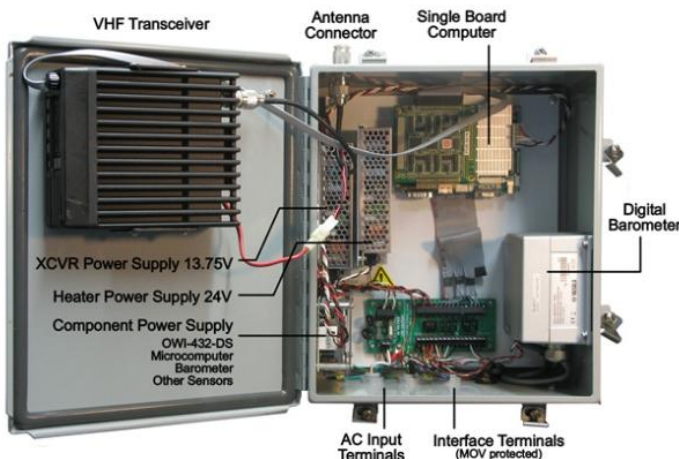
OSi sensors and systems are recognized as the world leader in weather data collection. With the AWS-432 MAWOS® system we offer the user a complete weather data collection and current weather condition reporting system that will operate automatically 24/7/365



Block Diagram of MAWOS® Control Enclosure

The Control Enclosure houses all the components for

- Power connection and distribution
- Interconnects between the system components
- Dual Barometric Pressure Sensor
- Power and Data I/O terminals
- Single Board Microcomputer
- Communications (VHF Radio / Ethernet / Telephone)



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Брянск (4832)59-03-52
Владивосток (423)249-28-31
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Typical MAWOS configurations include:

- **AWOS A** – Reports altimeter setting only.
- **AWOS IIP** – Reports altimeter setting, density altitude, wind speed, wind direction, gusts, variable wind, temperature, dew point, visibility, and present weather.
- **AWOS IIIP** - Reports altimeter setting, density altitude, wind speed, wind direction, gusts, variable wind, temperature, dew point, visibility, present weather, cloud height, and cloud coverage.



OWI-432

The **OWI-432 WIVIS** is included in all configurations (except AWOS A). This results in savings to the customer and a very cost effective means to obtain an AWOS system which reports visibility and present weather at a very affordable cost.

The AWS-432 offers a modular design. The following options are available with any configuration:

- Multilingual voice
- Telephone Interface
- Cell Phone Interface
- VHF GTA Radio
- Ethernet Interface
- LAN and WAN interfaces
- Remote Display Units (RDU)

The AWS-432 graphical display is easily added to most modern PCs. All that is needed is an Ethernet connection between the MAWOS[®] sensor site and PC. The PC then serves as the Remote Display Unit (RDU)



RDU Display

Installation is easy. For example, all that is required for installation of an AWOS IIP at the sensor site is a vertical pipe for mounting the OWI-432, MAWOS[®] Control Enclosure, and Temperature/RH Probe, a 30 foot tower for the wind sensor, 120 vac (15 amps), telephone line (optional), and Ethernet connection (optional).



The **AWS-432 MAWOS[®]** is a highly cost effective, advanced Modular Automated Weather Observing System that may be configured specifically for your airport.

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