

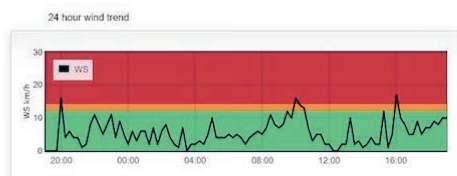


Soil Moisture, Weather, and Irrigation Control

Monitoring of soil moisture, weather sensors or stations, and other devices work through wireless remote field sites. Data is collected and presented in a configurable web display that can be accessed by computer and any web enabled mobile device.

Data is presented in a format that is quick to access, user friendly to view, and can be configured to your needs for easy analysis and decision making.





Weather data for monitoring and management

In addition to recording and storing current and historical weather data, we are building an increasing list of management models. These include:

- Growing degree days
- Chill units
- Delta T
- Dew point
- Inversion layer monitoring
- Evapotranspiration

Irrigation automation

The WiFi enabled devices can be used for monitoring and control application, such as:

- The control of 12 VDC latching solenoids for remote valve control and irrigation scheduling via the website
- Electric and diesel pump control with integration to the scheduling programme
- Option for local access to controller with PLC and touchscreen
- Remote monitoring and control of Kensho diesel engine management panels, providing real time viewing of the operation of the pump, fault alerts, and adjustments to RPM.

For further information or to be directed to your nearest authorised reseller, please call or email:

0438 393 002

info@macsystems.com.au

Configurable hardware allows a range of sensors to be connected for your particular needs. These include:

- Soil moisture
- Weather sensors
- Weather stations
- Water level
- Flow / pressure
- Plant monitoring
- and many others!

Flexible communication options allow the most appropriate technology to be used depending on your needs:

- Stand alone cellular units using 3G / 4G Cat-M1 (4Gx)
- WiFi communication using existing on site internet access points, or cellular to WiFi gateways
- WiFi links with remote access points can be added to build a WiFi network across properties where mobile coverage is poor. WiFi links provide easy integration of camera technology for visual monitoring or streaming live footage from the field.

