



esi
ENVIRONMENTAL
SENSORS INC.

"Wireless crop monitoring enables precision irrigation, simplified installation and real time information delivered to the comfort of your office"

Gro•Point™ Wireless Solutions

ESI's Gro•Point Wireless solutions deliver accurate, timely reporting of crop conditions from the field to your PC through a single unified package

- Real-time management of frost protection and irrigation scheduling using the world's best soil moisture sensors – Gro•Point™
- Alarm mode with email alerts for frost protection and irrigation scheduling
- Automated wireless irrigation control and frost protection
- Improve the quality of your product by evaluating and reacting to real time information provided wirelessly

Quick and Easy Installation

- Easy to install and use with little effort or training
- Display units on radio nodes allow for confirmation of signal strength and sensor readings while in the field
- Low power, plug-and-play, weatherproof and durable
- Avoid problems and costs associated with cabling and trenching

Intuitive Software Package

- Transmit and display data directly on your desktop or via www.mygropoint.com secure website
- Track current and historical data graphically to refine your crop management strategy and improve quality, yield and bottom line
- Use the mapping function to get an overview of your farm/field and drill down to see specific sites and sensors as necessary
- Customize your desktop and alarm options to work how you want

Gro•Point™ provides accurate, cost effective wireless soil moisture based irrigation and frost protection management. Gro•Point™ can be deployed in irrigation sensitive zones, such as around the root zone, to enable you to take full control of your precision irrigation needs



Gro•Point™ Wireless Solutions

Gro•Point™ Field Node

Reads up to four (4) Gro•Point™ soil moisture sensors (digital – sdi12, or analog), temperature, flow and pressure sensors (see related Gro•Point™ product sheet for additional information)

- Configurable sampling, alarming and reporting
- Power: options include lithium ion battery pack and solar
- 5 km / 3 mile line of site, unlimited when combined with Repeaters or cell modem module
- Easy to install with local display unit to confirm operation

Gro•Point™ Gateway

Designed to plug into your computer's USB port, cell modem module or reside in the field next to a Repeater for increased transmission distance

- Can read up to 56 Gro•Point™ Field Nodes
- Outputs: Optional current, voltage, or discrete contact
- Can output to the majority of irrigation Controllers
- 5 km / 3 mile range

Gro•Point™ Cell Modem

- Upload information from the field to the internet via GSM/GPRS
- Access to your data via www.mygropoint.com
- Secure internet login from anywhere in the world

Gro•Point™ Wireless Software and www.mygropoint.com

- Intuitive design, custom engineered by ESI for irrigation monitoring and management
- Adjust operating variables remotely (reporting rates, alarm thresholds, email alerts)
- Graphical display of real time conditions – map, chart and list views
- Use any web browser on a Windows® PC or Macintosh®
- Email and text message alerts

