



## Wireless DataLoggers – Energy & Environment Datalogging

*Wireless environmental monitoring systems - unintrusive, exciting technology*



### HOBO ZW Series – Indoor Wireless

A family of small desktop or wall mounted data nodes offering wireless monitoring of energy and environmental conditions in buildings.

Internal sensors monitor Temperature & RH. External sensors monitor Temperature, RH, AC Volts, AC Current, KiloWatts, kWhrs, Gauge Pressure, CO2, Airflow, DC Current, Differential Pressure, Water Usage, 4-20 mA, 0 -10 vdc, and Pulse via external.

Up to 100 Data Nodes can be employed in a single system with real-time data analysis and alarms notified to phone, email, or PC via Advanced HOBOnode Software .



### HOBOnode – Outdoor Wireless

Measures Temperature and Soil Moisture (with Frost Alarms) wirelessly transmitting data in real-time to your computer, or alarms direct to phone email or PC. Temperature probe can be used in air, soil, or water thus maximising on system flexibility.

With over 400 metre line-of-sight transmission and solar panels available to maintain battery charge environmental conditions and alarms can be set and notified without having to run cables through fields and buildings.

Ideal for greenhouse management, environmental studies, and crop research.



### ELMO Utility Energy Monitoring

An innovative wireless monitoring system that measures and records utility usage over time and allows statistical analysis of kWh's, cubic meters of gas, and litres of water consumed. Elmo transmitters employ easy-to-use current shunts or pulse input modules to quickly identify areas of waste resulting in significant utility cost savings within weeks of installation.

Transmitters use GSM/GPRS radio techniques to ensure accurate and consistent data measurement.