

Wireless Application Guide

At first [Wireless Systems](#) may seem complex when compared to a [Chart Recorder](#) or Wired Monitoring System. But the use of them is now relatively simple and very cost effective with our [Scigiene Wireless systems](#) when compared to other monitoring methods in use. To make installations simple and trouble free some basic steps need to be taken in order to identify which system and which components will best do the job for you.

A) Identify what parameters you need to monitor and the points at which you need to monitor them. A scale map is an ideal starting point.

B) Determine how you want to collect the data and what you need/want to do with that data.

I. Do you want to set alarms for out of range readings?

II. Do you want local alarming (computer beeping) or dial-out alarming (text messaging)?

III. What type of database do you want to store the data in?

IV. Do you want live readings/graphing?

V. Do you want remote site monitoring?

VI. Will periodic transmissions (6 per minute) suffice or do you need continuous transmissions?

C) What is the maximum distance from the farthest sensor(s) to the Receiver?

D) Are there any major obstacles to RF signals? Are there any heavy concrete or metal walls without open doors or other openings?

Once you have answered the questions above you can easily go through our [Wireless Product Selection flow chart](#) to quickly determine which [Sensors, Repeaters and Receivers](#) ([Point Host](#) , [Point View Receiver](#) , [Point Transceiver](#) , [Point Manager](#) etc.) and [Software](#) will be ideal for you. If it is still not clear we will be more than happy to assist you with your product selection (at this point the scale map & answers to the above questions are needed). [Wireless Systems](#) are simple to install, as all our [Point Sensors](#) are compact and battery powered. Simply press the button to start and place them where you need to take readings. Then connect the necessary [Repeaters](#) and [Receivers](#) , install the [Software](#) and you now have an operating [Wireless Monitoring System](#) . For applications where greater distances or interference may be a problem we can also specify high power devices and/or special [antennas](#) to assist here. From here it is up to you whether to use [our software](#) to view/collect the data or whether you wish to use a software driver to export the data into another software database of your choice. This gives you the ability to upgrade your system at any time should you choose to use more advanced software packages.

The Advantages are obvious:

1. Easier to install than hard wired systems (no drilling or wires to run!).
2. Easy to reconfigure. Just move the sensor to where ever you choose!
3. Easy to calibrate.
4. Easy to add more sensors. Each Receiver will collect from 100's of Sensors.
5. Cheaper to buy, install and operate than other systems.
6. Flexible database allows for future software upgrades and changes.

New products are being released continually to add to this simple to use monitoring system. So if you are not sure about our systems and how we can help, please give us a call at any time at 416-261-4865 or send us an e-mail at: info@scigiene.com and we will be happy to assist you.