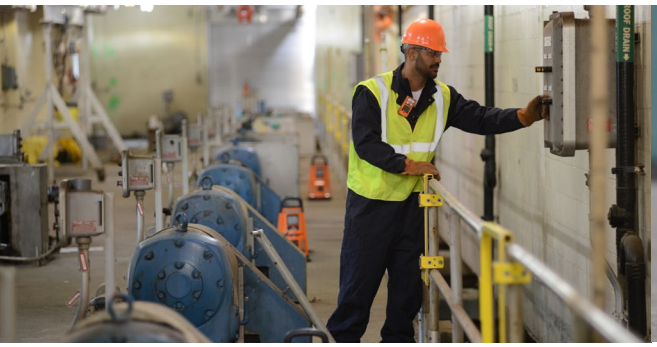
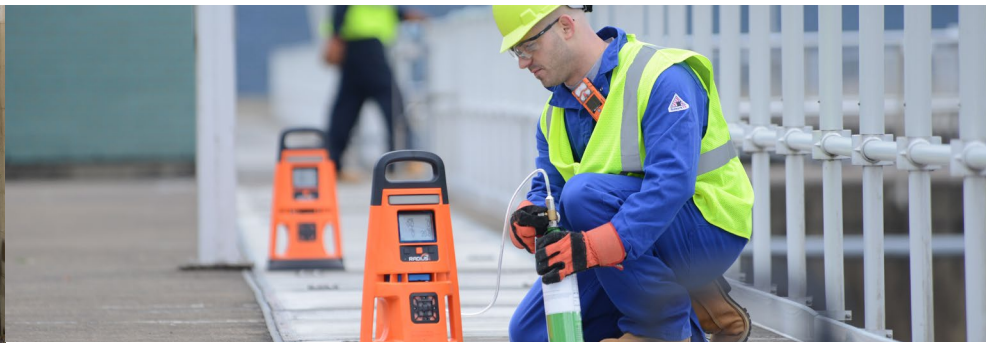
Using Radius™ BZ1 for Perimeter and Fence Line Monitoring





Overview

The terms "perimeter" and "fence line" monitoring are often used interchangeably. Both represent ways to create a buffer zone between a safe zone and an at-risk area. Radius BZ1 Area Monitors are ideal for creating a temporary buffer zone between workers and gas hazards. Whether a hazard originates from a known leak or is the product of an unexpected event, Radius BZ1 will warn of hazards threatening the safe zone, minimizing risk and annoyance to surrounding communities.

When Can a Perimeter or Fence Line Help?

- **Hot work:** Get advanced warning of explosive gases by placing a perimeter around hot work or creating a fence line upwind.
- **Tank farms:** Know what is happening on all sides of your tank while standing in one place. Create a perimeter with Radius BZ1 Area Monitors around your tanks and allow LENS™ Wireless to make sure you have access to all of the gas readings and alarms.
- **Leak monitoring:** Know that your safe zone is protected by placing a perimeter around the source of the leak. Radius BZ1 Area Monitors will notify you of a hazardous condition until you are able to repair the leak.
- **Temporary work:** Whether transferring a hazardous material from one tank to another, performing maintenance on equipment, or doing any other kind of temporary work, create a fence line to monitor the buffer zone and know that your safe zone is protected.

Key Features

- **Deploy whenever, wherever:** Radius BZ1 features the patent-pending SafeCore™ Module, which is docking station compatible, making maintenance easy. Radius BZ1 can be calibrated, bump tested, and ready to deploy in just seconds. With a smart design that makes it portable and durable, quickly set up a fence line and let the Radius BZ1 do its job.
- **Clear communication:** Optional LENS Wireless networks allow alarm conditions to be communicated to other nearby Radius BZ1 units, making sure that everyone on the site knows what is happening as soon as it happens.
- **Longest run time in its class:** A standard four-gas configuration can operate up 7 continuous days, even with wireless turned on. Extend run time to months with the Intrinsic Safety External Power Supply. Focus on the job at hand instead of constantly charging your area monitor.
- **Get the message loud and clear:** Know what's happening without approaching the unit thanks to a large display, red and blue lights that clearly distinguish alarm events from maintenance reminders, and alarm action messages that allow workers to know what action to take when an alarm occurs. For applications where discrete alarms are a must, Radius BZ1 allows you to silence the audible alarms while still providing detailed notification of hazardous situations via LENS Wireless.
- **Adapt to the situation:** The SafeCore Module makes it easy to quickly adapt to the situation. Change sensor configurations in moments or add a pump on the fly, simply by swapping out the SafeCore Module. Quickly add units to the perimeter and know they have the correct settings after docking the modules on a DSX™ Docking Station. Radius BZ1 is ready for whatever comes your way.

Additional Features

- **Simple to care for:** Radius BZ1 instruments are easy to service. The sensors can be replaced with a few simple steps. External dust filters can be peeled off when dirty and quickly replaced.
- **Sensor configurations:** Radius BZ1 has a long list of available sensors and an even longer list of possible configurations. Operate standard four-gas with DualSense® Technology, monitor for six toxic gases, or use a PID sensor. Radius BZ1 can be configured for almost any application.
- **Quick status screen:** Radius BZ1 has a quick status screen that lets you know which instrument is appropriate for the job without powering it on. Instantly know the installed sensors, battery power status, and instrument serial number so you can deploy your perimeter or fence line quickly.

To learn more about the Radius BZ1 Area Monitor, visit Industrial Scientific at www.indsci.com/radius.

REV 0916

INDUSTRIAL SCIENTIFIC