

# Certair™ Beta

NEODYM

Fixed/Portable Gas  
Detection System

**Certair™ fixed/portable technology provides a unique solution to customers monitoring needs.**

## Features & Benefits

Certair™ works as a fixed system but can be removed from the charger/communication pod and used as a portable detector for personal protection and leak detection

Anticipated price less than 450.00 per unit depending on sensor technology utilized

Easy to install and power via PC USB port utilizing telephony cable and J-11 jack connections a distance up to 300 feet.

Up to 128 units may be daisy chained

Detector can also be operated as a stand alone device via local AC/DC adaptor in non-hazardous areas.

PC software enables exceptional data logging and charting flexibility including modem dial-out via USB port

Dry relay contacts for gas shut-off and security alarm activation located at communication pod

Software developed to accept linear, non-linear and binary signal processing.



**Proposed Certair™ design upon beta test completion**

USA Patent Number 6,182,497



## Why is Certair™ unique?

The United States Patent Office has issued patent number 6,182,497 to Neodym Systems Inc. for its "Gas Detection System and Method" and has allowed all 29 claims. This patent covers Neodym's Certair™ system, a combination fixed and portable gas detection device that can be connected and powered by a standard USB interface to any desktop or laptop computer at a distance of up to 300 feet. The company is pursuing international protection for Certair™ under the Patent Co-operation Treaty.

Neodym's Certair™ system addresses three fundamental gas detection issues. First, Certair™ can monitor environments continuously 24 hours per day, seven days per week from a remote fixed location while providing information to a standard personal computer. Second, it can be separated from its communication pod for use as a portable employee protection gas detector. Third, in the case of a detected leak, it can be separated from its pod to isolate the source of the leak. Traditionally, industrial gas detection instruments have been either fixed or portable systems. Classic fixed systems have relied on proprietary interfaces, software and central monitoring systems. Certair™ eliminates the need for custom central monitoring equipment and a single, combination fixed and portable system simplifies the instrumentation requirements and associated maintenance issues for industrial users. As a PC driven device, Certair™ offers a standard, Windows-based software interface that enables extended data logging functions, process monitoring capabilities and alarm activation communications.



### **Certair™**

Operates 24 hours per day, communicates with PC via Comm/Charger device via telephony cable.

Can be removed from Comm/Charger and used as a portable detector to locate source of gas leak or act as a personal protective device.



### **Comm./Charger Pod**

Charges the Certair™ rechargeable batteries. Contains dry relay contacts for activating external alarm devices.

Direct AC/DC power can be delivered to the Charger Pod without using the USB connection.

### **USB Com.Device**

Connects to PC USB port and delivers power to Certair™ Comm/Charger Pod.



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