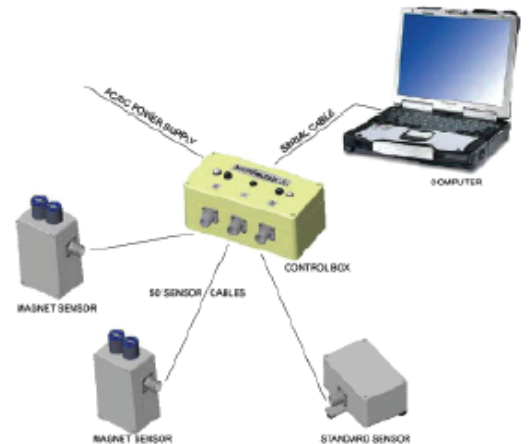


Heartbeat Monitor includes a computer, small sensors and cables. The sensors when placed on a vehicle or a container, determine whether a human is present inside, without having the time-consuming and expensive task of unloading and inspecting the entire vehicle or container.

The sensors, similar to those used to measure earthquakes, measure the tiny movements or vibrations transmitted to a suspension system (either the vehicles or an independent one) by the heartbeat of the human inside.

Software detection algorithms focus on the specific range of vibrations a heart makes. Based on the vibrations, Heartbeat Monitor indicates if an individual is present. In mere seconds, Heartbeat Monitor can determine whether a further search is required.



### Security Applications

- *Immigration* - Heartbeat Monitor is an ideal security tool for border crossings throughout the world, where illegal aliens and/or potential terrorists may attempt unauthorized entry into a country or territory or as a stowaway.
- *Cargo Security* - Heartbeat Monitor is the ideal tool for screening both vehicles and cargo containers prior to being loaded onto aeroplanes, ships and rail cars. Large trucks exiting sea ports can be inspected quickly for illegal immigrants or other individuals attempting to gain unauthorized access.
- *Corrections* - Heartbeat Monitor is currently deployed in dozens of correctional facilities throughout the world. The large number of vehicles entering and exiting a prison requires security devices that can ensure that no inmate or prisoner escapes. Prison services, prison industries, inmate visitors and staff vehicles can all be monitored quickly and non-invasively.
- *Critical Infrastructure Protection* - Critical buildings and assets including embassies, military installations and federal and civilian buildings can benefit from the increased security that Heartbeat Monitor provides. The system helps ensure that no one is gaining unauthorized entry into buildings and facilities. Heartbeat Monitor can quickly and accurately add a level of security, while simultaneously freeing security personnel to attend to other critical duties and responsibilities.

