The **Guard 1**, from InstroTek is a human stowaway detection system designed for simple, non-intrusive, and instant inspection of containers. The sampling probe can easily be inserted into containers, allowing cargo terminals and security agencies to quickly inspect hundreds of containers in a fraction of the time of a physical inspection.

The Guard 1 operates by sampling air through a miniature pump from an enclosed container. The presence of gases emitted by humans is measured by a non-dispersive infrared sensor. A threshold alarm is set and is activated whenever the measurements exceed the preset limit. Each unit includes a monitor with protective cover and belt clip, a sampling probe, rechargeable batteries, a charger, and a shipping case.

Increases in human smuggling and the constant threat from enemies with the intent to inflict harm requires a quick and accurate method of determining human presence in vehicles, trailers, shipping, and storage containers.