

Large Vehicle Bomb Detector

Brief Description



As a vehicle proceeds through the sampling arch the pulsating air blast from the air knives strips explosive traces from the car outer surface and moves the entrained traces and any vapours present to the collector bags. The sample is then moved to the cyclone separator where any explosive particulates present are separated and trapped by the pre-concentrator.

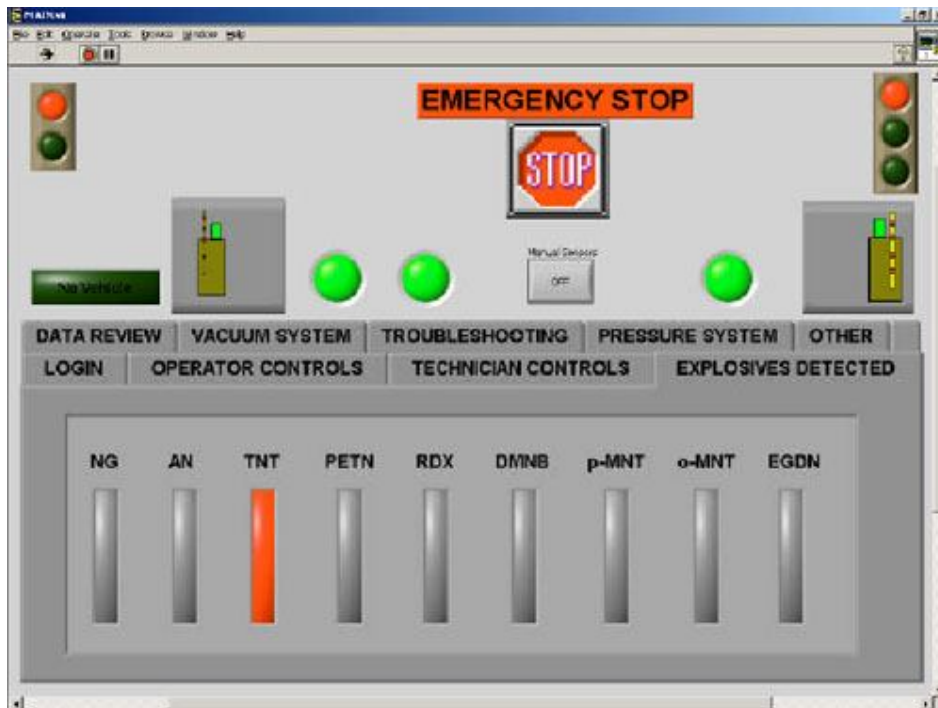
The vehicle stops until the analysis period is complete and the second traffic control system advises the driver to exit. If an explosive is detected visual and audio alarms are available. The sample and analysis process is about 20 seconds and the overall vehicle processing time is about 30 seconds.

The detector system incorporates patented GC-IMS-CL technology as well as an automated sample pre-concentration system. The GC-IMS-CL platform allows rapid processing of samples and incorporates multiple detection methods to enhance selectivity and to provide the ruggedness needed in hostile environments. Sensitivities for vehicle

borne explosives range for low ppb to ppt levels or low nanograms for solids. Results demonstrate the systems success in detecting TNT, dynamite, taggants and ammonium nitrate.

Features

- Integrated CCTV and vehicle barriers
- Remote command console
- Designed to site requirements
- Provides total control and risk management
- Containment system (optional)
- Under vehicle scanning system (optional)



Control Panel: Explosives Detected

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