Applications and Industries

INDUSTRIES

The Son-Tector has applications in almost every industry.

A partial list:
Aerospace, Brewing, Building Maintenance, Chemicals, Composites, Engineering, Federal Government, Fire Departments, Food Processing, Gas Industry, General Industry, HVAC, Hospitals and Medical, Mining, Municipalities, Pipeline and Oil, Plumbing, Research Labs, Schools and Colleges, Utilities-electric, oil, gas, and telephone, Transportation-auto, truck, bus, marine, rail, airlines.

APPLICATIONS

Testing Steam Trap Operation
Truck Fleet Maintenance

Typical applications of Son-Tector equipment include:

Leak Location:

- compressed air, gas, & natural gas plumbing
- compressed air brakes & tires
- gaskets and seals
- weatherstripping failure
- vacuum brake systems
- vacuum seal leaks
- industrial gas distribution
- compressed air and gas systems
- steam systems – traps and condensers
- high pressure steam
- faults in boilers, watertight containers, tanks, and bulk heads
- pipe joints
- heating, ventilating, and air conditioning duct work
- condenser tubes
- vacuum condensers
- pressurized communications cable
- container, tanks, bulkheads
- pin hole

Mechanical Noise:

- faulty gear mesh
- bad ball and roller bearings
- loose parts
- excess clearances
- drive trains
- sharpness of high-speed automatic machine tools

Hydraulic Systems:

- by-passing or sticking valves
- by-passing cylinders
- partially blocked ports
- elevators and escalators

Corona Discharge:

- generator brush arcing
- substation corona discharge
- transformer corona discharge
- dirty or faulty insulators

Electrical Equipment:

- faulty or arcing connections
- switches
- lightning arrestors
- power supplies
- motors
- radio frequency interference
- perform hipot lab tests on all sized components
- perform HV equipment tests

Miscellaneous:

- diesel injector failure
- large compressor valves
- restrictions in piping systems
- humidity control
- electrical systems
- hospitals and ethylene oxide

THE SONTECTOR CUTS COSTS and pays for itself time and time and time again.

- **Eliminate costly down time.**
- **Perform maintenance on your schedule.**
- **Eliminate crisis repair labor and parts costs.**
- **Improve routine maintenance payroll costs.** Find the trouble quickly. Avoid payroll involved in unnecessary disassembly for diagnostic reasons.
- **Prevent catastrophic failure.** Fix the problem while it is small.
- **Prevent the hidden cost of leaks.** Small leaks or noisy environments can mask energy costs. The following leaks can be detected at distances of 100 feet or more and are commonly overlooked in a noisy plant environment:
  Air 100 PSI 1/16" hole $700/year (at .08KWH)
  Steam 100 PSI 1/16" hole $1618/year (@$15 /1000 lbs.)
- **Save training payroll.** IT IS SIMPLE TO USE THE SONTECTOR. The Sontector is easier to use, more accurate, and far more reliable than either soap bubbles or stethoscopes. There are no calibrations set. You could say it's use is almost intuitive because leaks or malfunctions sound they way you would expect them to sound.

  Just pick up the Sontector. Start playing with it according to the directions supplied with the unit.

  Ultrasonic detectors are really very simple. They hear ultrasonic noises in the 35,000 to 45,000 cycles per second region. The unit is built to hear that specific range. Calibrating beyond this range is, in our opinion, a waste of money.