MOBILE LEAK DETECTION

5110D Smart Leak Finder

The 5110D Smart Leak Finder is an advanced acoustic emission (AE) device, specially designed and developed by MISTRAS to incorporate all of its electronics into a sensor cavity. The unit plugs directly into Android mobile devices through a full-speed USB interface, and real-time leak data can be sent through email or even a text message. It is a device truly built for the modern day, making leak detection as easy as checking your phone.

The 5110D is a versatile device, with applications for a multitude of assets. It detects leaks in valves, piping, storage tanks, pipelines, pressure vessels or any other piece of equipment suspected of leaking.

Software

The 5110D comes equipped with a specially-designed Android application that makes collecting and reading leak data simple. The app graphs, displays, and trends real-time ASL/RMS data. It also outputs an audio signal, which operators can hear through wired or Bluetooth headphones.

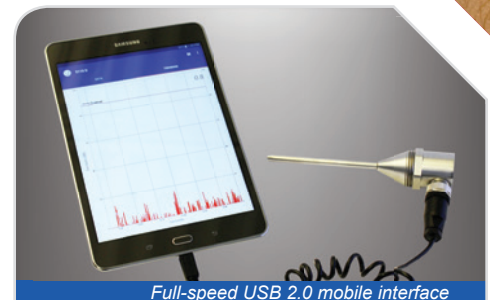The app has virtually unlimited storage capacity, limited only by space on the mobile device itself. Users can sort historical leak data by individual asset, leak location, or the time and date previous measurements were taken. Operators can also predetermine dangerous leak thresholds that trigger audio and visual alarms. Through trending data and alarms, the app keeps you informed of leak conditions and the rate they may be worsening, providing the data you need to make informed maintenance decisions.

Mobile Compatibility

The 5110D takes advantage of today's interconnected world. Facility operators may not always be on site, but they still have to know the condition of their assets at all times. The 5110D simplifies that process, by allowing individual readings or entire graphs to be easily shared through mobile devices.

Files are saved in ASCII format, and can be read with Microsoft Excel. Data can also be linked to the Internet of Things, creating a truly mobile leak detection solution.
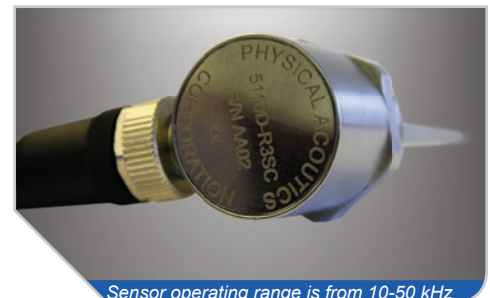
Add leak detection to your home screen. Visit www.smartleakfinder.com

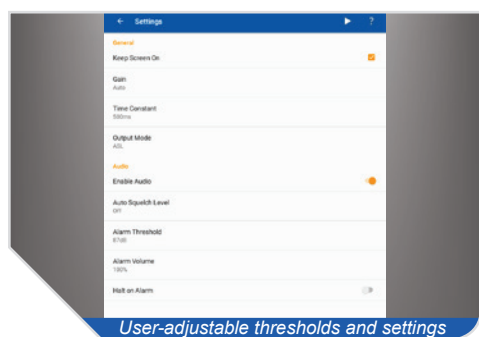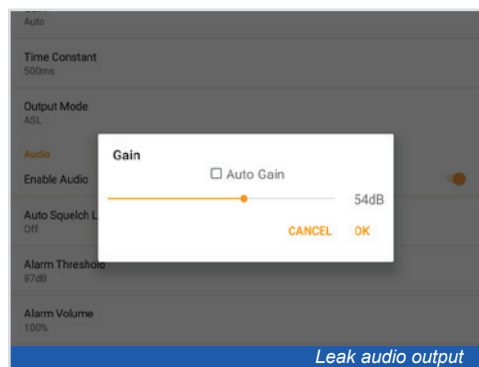*Full-speed USB 2.0 mobile interface*

Sensor and coiled cable

Sensor operating range is from 10-50 kHz
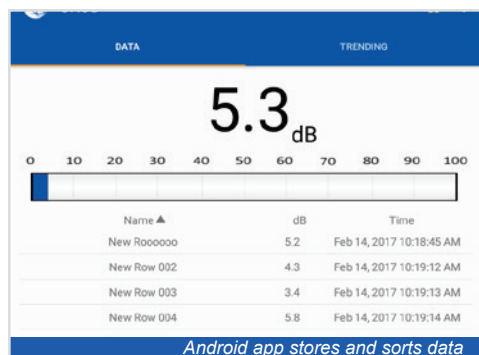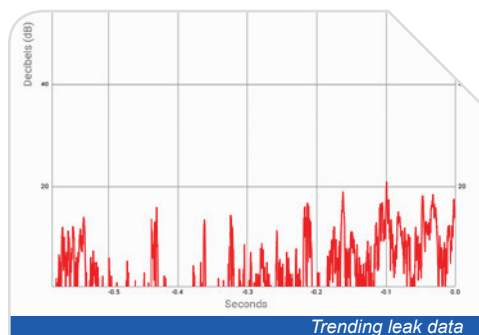
mistrasgroup.com

MOBILE LEAK DETECTION

Trending leak data

Android app stores and sorts data

Leak audio output

User-adjustable thresholds and settings

Applications

- Leak Detection
  - Valves
  - Piping
  - Pipelines
  - Pressure Vessels
  - Tanks
- Bearing Fault Diagnoses
- Partial Discharge Detection
- Termite Monitoring

Features

- Full-speed USB 2.0 interfacing w/ Android devices
- User-friendly app
- Instant leak RMS/ ASL waveform display
- Audio signal output
- Graphic displays and data trending
- Data storage and sorting
- User-specified leak threshold alarms
- Internet of Things Compatibility

Unit Specifications	
Included in Package	5110D w/ Coiled Cable, Waveguide, Android App Software, Carrying Case
Connector	Mini USB
Cable	Integrated coiled cable up to 1 meter
Case Material	Stainless steel
Waveguide	5"
Mobile Compatibility	Android phones and tablets
Sensor Dimension	1.2" x 1.5"
Sensor Weight	0.2lb
Interface	USB 2.0 Full Speed
Power	USB powered 5V at 0.1 A
Measurements	ASL or RMS
ASL	0– 100 dBAE
Frequency Range	10-50 kHz
Time Constant	100µs, 1 msec, 10 msec, 100 msec, 500 msec
Temperature Range	-45°C to 125°C
Audio	Audio available through Bluetooth or earphone jack

MISTRAS

One Source for Asset Protection Solutions