

Ultrasound Detection Kits

For condition monitoring and leak detection

RECEIVER SPECIFICATIONS

Sensitivity threshold:	
Minimum intensity	10 ⁻¹² W/m ² (0 dB SPL)
Minimum ultrasonic pressure	2.0 x 10 ⁻⁵ PA @ 40 kHz
Frequency bandwidth	1.8 - 2.2 kHz @ level 0.7 (or -3 dB SPL)
Working resonance frequency	40 kHz ±1.5 kHz
Reception distance, max	150 feet using source 300 feet using range extender
Power supply	9-Volt alkaline
Battery lifetime	>45 hours
Operating temperature range	-4° to +130° F (-20° to +54° C)
Dimensions	8.75" x 1.26" x 1.26" (222 x 32 x 32 mm)
Weight	11.6 oz (330 g)
Housing material	Extruded aluminum



HEADSET SPECIFICATIONS

Impedance	600 Ω
External noise attenuation	21-24 dB

KEY FEATURES

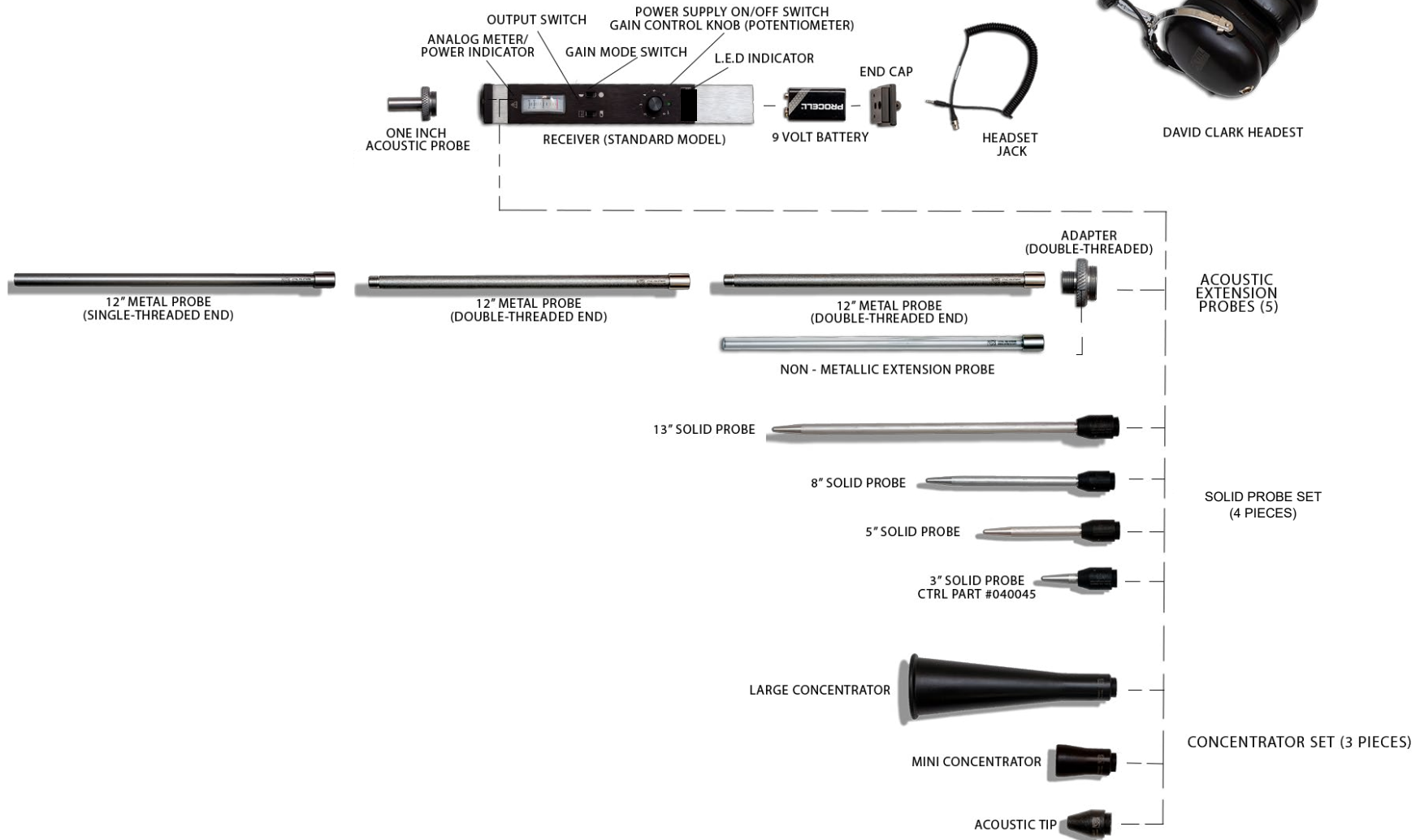
- Easy to use, point and shoot
- Cross-functional kits enable multiple applications
- Does not require calibration
- Long battery life, >45 hours
- Intrinsically safe models available
- Complements vibration analysis

Note: Due to continuous process improvement, specifications are subject to change without notice. This document is cleared for public release.

Ultrasound Detection Kits

PRODUCT RANGE

Application-specific kits for [condition monitoring](#), [valve and steam trap monitoring](#), [leak detection](#), and [electrical inspection](#) are available. Components can also be ordered individually.



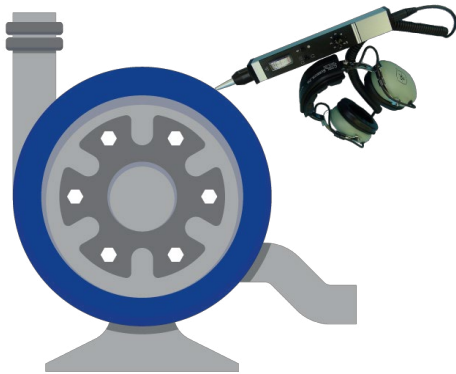
Note: Due to continuous process improvement, specifications are subject to change without notice. This document is cleared for public release.

Structure-borne Ultrasound Detection Kits



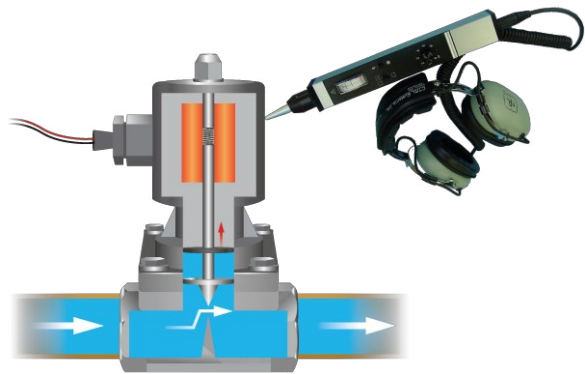
CONDITION MONITORING KIT

Hear, monitor and diagnose bearings, gears, pumps, valves, and cylinders. A cloud-based application analyzes, trends, and reports the condition of critical production equipment.¹



VALVE AND STEAM TRAP MONITORING KIT

Save money by detecting internal by-pass leaks with a single point inspection.



Receiver (optional Intrinsically Safe certification)

Head set

Solid probe set:

- 3"
- 5"
- 8"
- 13"

1-year subscription, cloud-based condition monitoring app

Heavy duty carrying case

Receiver (optional Intrinsically Safe certification)

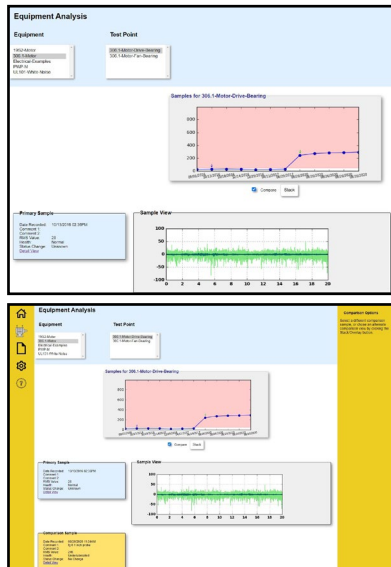
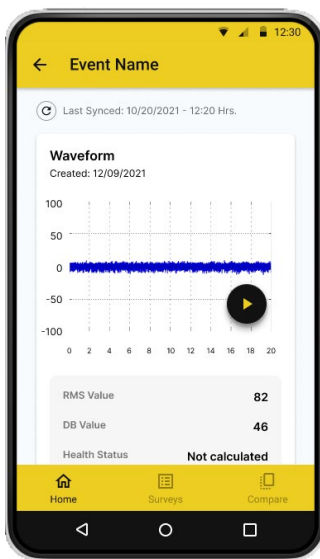
Head set

Solid probe set:

- 3"
- 5"
- 8"
- 13"

Heavy duty carrying case

¹ Includes all components for valve and steam trap monitoring

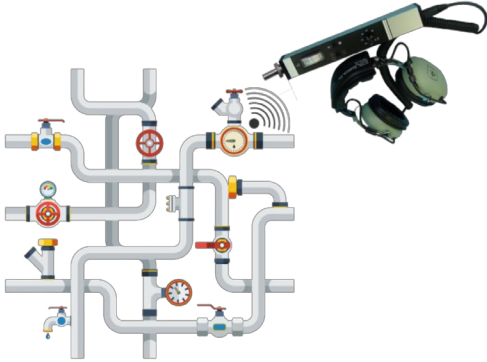


Note: Due to continuous process improvement, specifications are subject to change without notice. This document is cleared for public release.

Airborne Ultrasound Detection Kits

LEAK DETECTION KIT

Detect leaks of any type of gas from vacuums, valves, steam traps, and HVAC systems.²



Receiver (optional Intrinsically Safe certification)

Head set

Concentrator set:

- Large concentrator
- Mini concentrator
- Acoustic tip

Acoustic extension probe set:

- Metal probe, double threaded end, 12" (2)
- Metal probe, single threaded end, 12"
- Polycarbonate probe, 12"
- Adapter

Aluminum acoustic probe, 1"

Heavy duty carrying case

² Includes all components for electrical safety inspection

ELECTRICAL INSPECTION KIT

Detect corona discharge, tracking, and arcing from a safe distance, with no need to remove panels.



Receiver (optional Intrinsically Safe certification)

Head set

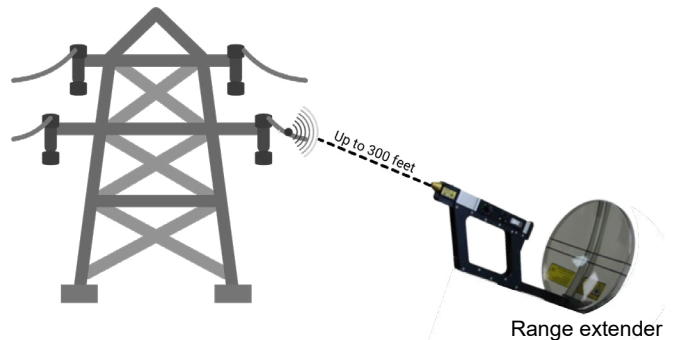
Concentrator set:

- Large concentrator
- Mini concentrator
- Acoustic tip

Polycarbonate acoustic probe, 12"

Heavy duty carrying case

Optional range extender (300 feet)



Note: Due to continuous process improvement, specifications are subject to change without notice. This document is cleared for public release.