



Leak Detectors

Tru Pointe2100



The Tru Pointe 2100 is an advanced electronic ultrasonic leak detector and condition monitor used by maintenance personnel for leak detection, preventive and predictive maintenance (PPM) and scheduled maintenance in a variety of industries. Using patented signal processing, the Tru Pointe 2100 is the most accurate and repeatable ultrasonic inspection instrument in its class.

Multi-Purpose Ultrasonic Instrument

The Tru Pointe 2100 is extremely sensitive to the “sound” of leaks and friction in commercial and industrial systems and provides the most precise readings available. The operating principle of the Tru Pointe 2100 is based on the detection and measurement of ultrasound and its conversion into audio for humans to hear using a technique called heterodyning. Ultrasound is generated in leaks, external & internal, friction in bearings & mechanisms, faulty steam traps and valves. The Tru Pointe 2100 will help locate problems by detecting the ultrasounds they generate.

The first of its kind, the Tru Pointe 2100 uses two software-controlled sensors for the detection of airborne leak sounds and for the detection and location of solid-borne sounds from leaks and bearing wear. For ease of use and interpretation, the Tru Pointe 2100 has two digital LED displays - a 20-segment bargraph display with peak hold and an alphanumeric display for instrument settings and precision measurements.

The Tru Pointe 2100 detects air and gas leaks in two frequency bands for isolating leaks; 26 kHz-34 kHz (low) and 34 kHz-42 kHz (high). Using the patented internal Touch Probe sensor, the instrument detects internal leaks in two ultrasonic bands; 16 kHz-24 kHz (low) and 34 kHz-42 kHz (high). Additionally it has the capability to function like a stethoscope, using an industry-exclusive acoustic band, 0-10kHz.

Tru Pointe® 2100 Features & Benefits

- Capable of detecting a 5 PSI leak out of a 0.005" hole, 30 to 40 feet away (depending on background noise).
- Capable of detecting ANY gas leaks, regardless of chemical property or concentration.
- Ideal for steam trap testing, detecting bearing wear, gas and valve leaks.
- Unaffected by wind or temperature fluctuations, other sounds or gases in the test area.
- Kit includes the Tru Pointe® 2100, high-quality noise attenuating headphones, 6" Touch Probe, segmented 3' extension Touch Probe, 6" Wave Guide– packed in a hard plastic carrying case.
- Unique AudioZoom™ volume control.

Tru Pointe® 2100 Specifications	
Mechanical:	
Dimensions:	8.185" (20.78cm) X 2.4" (61mm) X .875" (22.22mm)
Weight:	0.5lb (233gr) Includes Battery
Body Materials:	Aluminum and ABS
Audio Connector:	3.5mm Stereo
Electrical:	
Airborne Sensor Sensitivity:	-80db/V-μbar
Ultrasound Converter Type:	Digitally Controlled Heterodyne
Frequency response, Airborne, High:	AirHi: 34kHz to 42kHz
Frequency response, Airborne, Low:	AirLow: 26kHz to 34kHz
Frequency response, Touch Probe High:	PbHi: 34kHz to 42kHz
Frequency response, Touch Probe, Low:	PbLo 16kHz to 24kHz
Frequency response, Touch Probe, Sonic:	PbS: 0 to 10kHz
Controls:	4 Buttons (w/ Audio Zoom)™
Output, Audio:	0Hz to 4kHz
Output, Visual:	20 Segment Bar Graph with Peak-Hold and Separate Alphanumeric Digital Display
Signal Output:	Heterodyne
ON Indicator:	Digital Display
Battery Type:	9 Volt
Run Time:	55-80 hrs

When combined with the ultrasonic sound generator, the SoundBlaster®, the Tru Pointe®2100 can detect leaks from tanks, enclosures, building doors & windows, automobile windows & windshields, walk-in coolers, clean rooms, ship hatches and compartments.



Tru Pointe® 2100 Ultrasonic Leak Detector	
Ordering Information	
28-8003	Tru Pointe®2100 Ultrasonic Leak Detector Kit
28-8013	Tru Pointe®2100 Ultrasonic Leak Detector Kit w/SoundBlaster®

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