TruPointe® Series Ultrasonic

Leak Detectors & Ultrasonic Inspection Systems

FEATURES	BENEFITS
Ultrasonic to detect any gas leaks	Capable of detecting a 5 PSI leak out of a 0.005" hole, 30 to 40 feet away. Ideal for stream trap testing and bearing wear detection. Unaffected by wind or temperature fluctuations. Find a leak as small as 2.5-3 oz./yr (84 g/yr)
Sensitivity Adjustments	Unaffected by other gases, even at high-concentrations or sounds in the test area.
Visual indication	Ten-step LED Bar Graphs shows signal strength.
Unique Volume control	True sound reproduction ensures fast recognition of leaks.
Pocket Sized	Easy to carry
Dual Audio Intensity Displays	Easily see bar graph or alpha/numeric displays

DESCRIPTION

The Tru Pointe® series products are advanced digital ultrasonic inspection systems used by maintenance personnel for mechanical inspections, troubleshooting and PPM (preventative and predictive maintainence) or scheduled maintenance in a variety of industries and ideal for tanks,enclosures, building doors & windows, automobile windows & windshields, walk-in coolers, clean rooms ship hatches and compartments

The principle of operation of the Tru Pointe® series product line is based on the detection of ultrasonic acoustics generated by leaks produced by the turbulent flow of gases and liquids, inaudible to humans, and pinpoints them at the speed of sound. Carrying multiple patents, the Tru Pointe® Series incorporates independent sensors that identify external airborne leaks and internal structural leaks. Such as leaks in steam traps, valves, solenoids, pumps and hydraulics, compressed air, refrigerants, nitrogen, CO_2, helium, vacuum and many others sources for accurate, repeatable results, saving time and money for every HVAC/R technician and contractor.

	TRU POINTE® ULTRA	TRU POINTE® 1100	TRU POINTE® 2100
HVAC REFRIGERANT LEAK Protection	●		
AUTOMOTIVE LEAK Detection	●	●	
BALL BEARING Inspection		●	●
STEAM TRAP/VALVE Inspection		●	●
PLANT/EQUIPMENT Maintenance			●
COMPRESSED AIR LEAK Detection			●
FREQUENCY RANGE	34-42 kHz	16-42 kHz	16-42 kHz, 0-10 kHz
VISUAL INDICATORS	10-LED Index		20-LED Index, 4 Digit Display
HEADSET	Compact Headset		Noise Attenuating Headphones

ORDERING INFORMATION

PART NO.	Description
28-8002	Tru Pointe® 1100Ultrasonic Leak DetectorKit
28-8012	Tru Pointe® 1100Ultrasonic Leak DetectorKit w/ SoundBlaster®
28-8003	Tru Pointe® 2100Ultrasonic Leak DetectorKit
28-8013	Tru Pointe® 2100Ultrasonic Leak DetectorKit w/ SoundBlaster®
28-8000	Tru Pointe® Ultra LeakDetector Kit w/ foldingheadset
28-8010	Tru Pointe® Ultra LeakDetector Kit w/ foldingheadset & SoundBlaster®
28-8001	Tru Pointe® Ultra HDLeak Detector Kit w/ stereo headphones
28-8011	Tru Pointe® Ultra HDLeak Detector Kit w/stereo headphones &SoundBlaster®

TECHNICAL DATA TRU POINTE® 1100 & TRU POINTE® 2100

PRODUCT ATTRIBUTES	DESCRIPTION	
MECHANICAL		
Dimensions	8.185" (20.78cm) X 2.4" (61mm) X .875" (22.22mm)	
Weight	0.5lb (233g) Includes Battery	
Body Materials	Durable ABS & Anodized Aluminum	
Audio Connector	3.5mm Stereo	
ELECTRICAL		
Airborne Sensor Sensitivity	80db/V-µbar	
Ultrasound Converter Type	Digitally Controlled Heterodyne	
Frequency response, Airborne	Tru Pointe® 1100: 34kHz-42kHz	Tru Pointe® 2100: AirHi: 34kHz to 42kHz
Frequency response, Airborne, Low		Tru Pointe® 2100: AirLow: 26kHz to 34kHz
Frequency response, Touch Probe	Tru Pointe® 1100 6kHz-24kHz	Tru Pointe® 2100: High, PbHi: 34kHz to 42kHz Tru Pointe® 2100: Low, PbLo 16kHz to 24kHz Tru Pointe® 2100: Sonic, PbS: 0 to 10kHz
Controls	4 Buttons (with AudioZoom™)	
Output, Audio	0Hz to 4kHz	
Output, Visual	20 Element Bar Graph with Peak-Hold and Separate Alphanumeric Digital Display	
Battery Type	9 Volt	
Run Time	55-80 hrs	

TECHNICAL DATA TRU POINTE® ULTRA & ULTRA HD

PRODUCT ATTRIBUTES	DESCRIPTION
MECHANICAL	
Dimensions	5.5" (14cm) X 2.4" (61mm) X .875 (22.22mm)
Weight	0.3lb (138g) Includes Battery
Body Materials	Durable ABS
Audio Connector	3.5mm Stereo
ELECTRICAL	
Airborne Sensor Sensitivity	80db/V-µbar
Ultrasound Converter Type	Analog Controlled Heterodyne
Frequency response, Airborne	34kHz to 42kHz
Heterodyne Filter	4kHz
Heterodyne Oscillator	Analog
Controls	1 Button
Sensitivity Control	Continually Variable Slide
Output, Audio	0Hz to 4kHz
Output, Visual	10 Segment Bar Graph
Battery Type	9 Volt
Run Time	80-120 hrs