



Leak Detectors

# Ultrasonic Leak Detector Tru Pointe® Ultra & Tru Pointe® Ultra HD



Bacharach's **Tru Pointe® Ultra** is a compact ultrasonic leak detector that uses patented technology to detect leaks in air conditioning and refrigeration systems. The Tru Pointe® Ultra is the world's first pocket-size electronic instrument that can simultaneously detect the vacuum and high pressure leaks that occur in HVAC/R systems. The Tru Pointe® Ultra guides the user to a leak by quantifying the intensity of the ultrasound and converting it to a sound the user can hear easily through headphones.

Tru Pointe® Ultra's operational principle is based on the detection of inaudible high frequency sounds produced by the flow of gases and liquids in leaks. The leak flow, passing through very narrow spaces (cracks, holes etc.), generates a rich ultrasonic sound spectrum which is easy to detect with the Tru Pointe® Ultra leak detector.

Since the Tru Pointe® Ultra detects airborne ultrasound and is not particular to gas chemistry it can detect all types of gases including nitrogen and refrigerants rushing in a system under vacuum. An electronic conversion process called heterodyning translates this ultrasound into true audible sound that helps the user distinguish leaks through headphones.

## Saves time and money!

The Tru Pointe® Ultra is capable of finding pressure and vacuum leaks in HVAC systems, without being affected by the wind or background refrigerants in confined spaces. It can find a leak as small as 2.5-3oz./yr (84gr/yr).

Available with compact, folding headset (Tru Pointe® Ultra) or high quality stereo headphones (Tru Pointe® Ultra HD), the Tru Pointe® Ultra is an indispensable tool that saves time and money for every HVAC/R technician and contractor.

## Tru Pointe® Ultra Features & Benefits:

- Not affected by wind or the presence of other gases or high concentrations.
- Ten-step LED Bar Graph shows signal strength.
- On-the-fly Sensitivity Adjustment aids in locating leaks quickly.
- True sound reproduction ensures fast recognition of leaks.

Tru Pointe® Ultra Specifications	
<b>Mechanical:</b>	
Dimensions:	5.5" (14cm) X 2.4" (61mm) X .875 (22.22mm)
Weight:	0.3lb (138gr) Includes Battery
Body Materials:	Durable ABS
Audio Connector:	3.5mm Stereo
<b>Electrical:</b>	
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

**Touch Probe**- Helps convert sounds within valves or solids to airborne sound for the Tru Pointe® Ultra to detect. (Patented).



**Headset Options**- Choice of compact, foldable headset or high-quality stereo headset; choose Tru Pointe® Ultra or Tru Pointe® Ultra HD.

**SoundBlaster®** - Ultrasonic Sound Generator. Artificially pressurizes rooms, tanks, enclosures with sound that the Tru Pointe® Ultra can detect thus locating where they leak air, water or other fluids or gases.



Tru Pointe® Ultra & Tru Pointe® Ultra HD	
Ordering Information	
28-8000	Tru Pointe® Ultra Leak Detector Kit w/folding headset
28-8010	Tru Pointe® Ultra Leak Detector Kit w/folding headset & SoundBlaster®
28-8001	Tru Pointe® Ultra HD Leak Detector Kit w/stereo headphones
28-8011	Tru Pointe® Ultra HD Leak Detector Kit w/stereo headphones & SoundBlaster®

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