

Ultrasonic Leak Imager Delta ULI60



High Performance Specification

The ultrasonic method is more accurate to analyze and check steam traps, compressed air, gas, steam and vacuum systems. The ultrasonic waves in the traps are converted into audible sounds (heterodyne function). Steam traps usually work cyclically. In the traps there is a valve which is closed when steam is in no ultrasound produced and the valve opens when filled with condensate presence of ultrasounds.

To make it easy and fast to use, what you want is an ultrasonic leak detector with two properties: high sensitivity and visual cueing. You want high sensitivity to be able to detect the smallest leak, even in a very large room. Then, once you detect it, you want a way to visually hone in it so you can find it quickly.

When it comes near a leak, a dynamic yellow target appears on the large color screen. The target turns red and shrinks as it approaches the source of the leak. A bar graph at the bottom of the screen accompanies and facilitates the search. When the device is facing the leak, a cross appears in the center of the target. It is then possible to photograph and save the precise location of the leak.

- 6.3 " Large Liquid Crystal Display with backlight
- Touchscreen + Hard key for the easy operation
- High Sensitivity 0.005CFM Leak & Point To Point Shoot Out
- Frequency Range 2 to 50 kHz
- Uses a camera and a dynamic on screen target to precisely find leak Location
- Rechargeable NIMH battery + AC Adaptor



Ultrasonic Leak Imager Delta ULI60



The DeltaULI60 ultrasonic leak detectors have high sensitivity and point-and-shoot capability to help you quickly and easily detect and locate leaks.

Each photo is numbered, dated and timed and shows the dB RMS level of the leak. The photos can be uploaded directly onto a PC via a USB cable (supplied), ready to be attached to inspection reports.



Live-steam losses caused by leaking steam traps represent a major economic factor!

How much does it cost?

STEAM LEAKAGE = A (kg/h)

OPERATION HOURS = B (h/year)

STEAM UNIT COST = C (± 20€/1.000 kg)

COST = (AxBxC) / 1.000 (€/year)

Example for only one leak:

With continuous operation, B = 8.000h/year

Small leak

(4 kg/h)

= 640 €/year !

Standard leak

(7 kg/h)

= 1.120 €/year !

Medium leak

(15 kg/h)

= 2.400 €/year !

Big leak

(70 kg/h)

= 11.000 €/year !

Please note these values are approximate.

Ultrasonic Leak Imager Delta ULI60



Technical Specifications

| Function | Range / Values |
|----------------------------|--|
| Display | 6.3 " Large Liquid Crystal Display with backlight |
| No. of Sensor | 60 Inbuilt Microphone |
| Frequency | 2 to 50 kHz |
| Minimum Leak | 0.005 CFM |
| Sound Pressure Range | 7 Bar |
| Measurement Distance range | Minimum : 1 mtr. Maximum: 55 mtrs. |
| Digital Camera | Yes |
| Focus | Fixed lens |
| Acoustic measurement Range | 30 dB to 125 dB |
| Interface | USB |
| Data Logging/Memory | Yes, Results can be stored with Date/ Time stamp |
| Image / Video Storage | Yes, 900 picture files & 20 Video files can be saved |
| Color band of the picture | Grayscale, Iron bow and Blue-Red |
| Operating temperature | - 10 °C to 40 °C |
| Storage temperature | -20 °C to 60 °C |
| Humidity | 90% RH |
| IP rating | IP54 |
| Enclosure Material | Polycarbonate |
| Weight | 2 kg |
| Dimensions | H : 310 mm - W : 165 mm - D : 65 mm |
| Battery | Rechargeable NIHM battery having 5hrs.backup Charging Time : 3 hrs. |
| Power | 90 - 264 V rms AC Voltage |
| Warranty | 1 Year |

Ordering Information

| Code | Description |
|-------------|---|
| Delta ULI60 | Ultrasonic Leak Imager Included accessories : Quick Reference Card, Software, USB-IR Cable, Installation Guide, Hard Case |