



Scope of Work – Ultrasonic Leak Detection

Introduction:

An Ultrasonic Leak Detection Survey is conducted with a UE 9000 Ultraprobe to perform a non-invasive and non-destructive examination.

We provide an Ultrasonic Leak Detection service for the detection of leaks in:

- Pressurised Gas lines.
- Compressed Air lines

An Ultrasonic Leak Detection is an important part of any maintenance programme and should be carried out at least every 12 months.

Background:

Ultrasonic Leak Detection accurately identifies the presence of leaks, which can help prevent unnecessary loss of expensive commodities.

Objectives:

Save Money

- Prevent equipment failures
- Save on emergency repairs
- Reduce down time
- Reduce costs
- Plan and schedule repairs

Save Time

- Identify and prioritize areas needing preventative maintenance
- Avoid disruption of services by using non-invasive technology
- Benefit from technology that is faster and more accurate to spot problem areas
- Reduce emergency calls for maintenance crews

Improve Safety

- Identify fire hazards
- Reduce risk of catastrophic system failure
- Prevent release of harmful and hazardous gasses

Scope of Work:

Planning an Ultrasonic Leak Detection Survey requires communication between onsite technicians & Dynamic Instrumentation.



Once an order is received and the DI technician arrives on site the client should dedicate a responsible staff member to escort the Technician to record leaks using a UE 9000 Ultra Probe as instructed by a responsible staff member.

Occupational Health and Safety

- The Technician will record the leaks, as instructed by a responsible member of staff, and will only operate in areas where permitted to do so by that responsible staff member.
- The Technician will not handle any equipment
- The Technician does not need to work at heights
- The Technician will not bring any tools on to site (except the UE 9000) or be using any tools on site.
- The Technician will adhere to all safety regulations in accordance with the OHS Act.
- The Technician will wear the stipulated PPE.
- The Technician will not be under the influence of alcohol, drugs or medication.
- The Technician will refuse to follow an instruction which he judges to be unsafe.

Tasks:

- The Technician will record leaks only of those assets he is shown by his escort.
- The Technician should not be left alone to navigate his way around site without a responsible member of staff.

Schedule:

Once a survey has been completed a report of leaks will be compiled and sent to the responsible person on site.

A record of the visit will be kept and a follow up survey will be planned as per the client's requirements.

Tel: 0861 113 965

E-Mail: sales@dy-inst.co.za

Fax: 086 694 4121