

Safety Considerations

When using RemScan, the following safety precautions should be used and included in your job safety documentation:

Process Steps

Using RemScan to screen soils for TPH concentration.

Potential Hazard/s

- RemScan is not intrinsically safe – using the instrument in a flammable/explosive environment could lead to catastrophic consequences.
- Looking into the lens of the RemScan instrument within 50 mm for prolonged periods of more than 10 seconds may cause injury to the eye.
- Water ingress into battery compartments may cause electric shock.

Hazard Control Measures

- RemScan must NOT be used in areas designated as flammable/explosive zones unless an authorised hot work permit is acquired.
- Do NOT look directly into the lens of the RemScan instrument during operation. Only trained users should use RemScan.
- Do NOT allow liquid to enter the battery compartment.
- Do NOT dismantle RemScan as there are various hazards inside.

Training and Maintenance Requirements

- All RemScan users must have a valid RemScan training certificate.
- RemScan requires an annual maintenance check. Please contact Ziltek for further information.

Battery Safety

- Lithium ion batteries are not hazardous when used according to the recommendations of the battery manufacturer. Under recommended use conditions, the electrode materials and liquid electrolyte are non-reactive provided that the battery integrity remains and the seals remain intact. The potential for exposure should not exist unless the cell or battery leaks, is exposed to high temperatures or is mechanically, electrically or physically abused/damaged.
- Always use approved storage containers for the storage/transport of lithium ion batteries.
- Check with your local Airport Authority if there are any specific luggage requirements for lithium ion batteries.

For more information, please refer to RemScan Operations Manual

Note: this document is for guidance only and should be incorporated into your own more comprehensive job safety documentation. Ziltek is not responsible for any injury or death resulting from the incorrect use of the RemScan instrument. If any clarification on its use is required, please contact Ziltek.