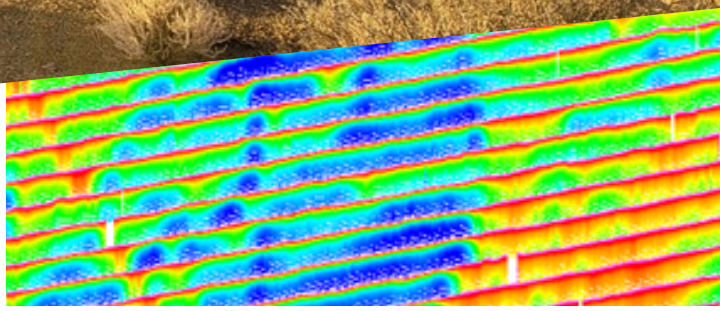

EMPOWERING PRECISION AND INSIGHT: LOUPE AND EM31-MK2

AXIOM GROUP is excited to introduce Loupe, our latest addition of survey gear, to our geophysical sensor toolbox. Loupe is a portable, mobile electromagnetic (EM) system that combines state-of-the-art technology with unparalleled convenience and is designed to revolutionize near-surface conductivity mapping.

Loupe is lightweight and easy to transport, allowing you to conduct surveys in any terrain with minimal setup time, making it perfect for on-the-go exploration. It offers unrivalled mobility, ensuring that your exploration efforts are both efficient and effective. Additionally, Loupe boasts advanced precision, harnessing the power of cutting-edge electronics and signal processing to capture high-resolution, low-noise electromagnetic (EM) data with exceptional accuracy. This is achieved using variable base frequencies, which enhances data quality and reliability.

HOW IS LOUPE DATA USED?

- **Environmental Monitoring:** Detect and map subsurface contamination and soil conductivity changes with precision, aiding in environmental assessments and remediation efforts.
- **Mineral Exploration:** Identify and evaluate mineral deposits with high-resolution data, streamlining exploration and improving decision-making.
- **Archaeological Investigations:** Conduct non-invasive surveys of archaeological sites, revealing hidden features without disturbing the ground.
- **Infrastructure Planning:** Assess ground conditions for construction and development projects, ensuring safety and project success.

With Loupe, **AXIOM GROUP** delivers a powerful tool that combines mobility, precision, and depth, empowering you to make informed decisions and uncover new opportunities. Step into the future of geophysical exploration with Loupe and experience innovation like never before.

The EM31-MK2 is the ultimate solution for mapping geological variations and detecting subsurface anomalies. Whether you're exploring groundwater contaminants or identifying buried metallic structures, it delivers unparalleled performance and accuracy.

The EM31-MK2 boasts innovative technology that sets it apart in the field of geotechnical and environmental site characterization. Utilizing a patented electromagnetic inductive technique, this cutting-edge device eliminates the need for electrodes or ground contact, ensuring seamless measurements with unparalleled ease of use and reliability in any environment. With an impressive exploration depth of approximately six meters, the EM31-MK2 provides detailed insights crucial for informed decision-making.

Its real-time data visualization feature lets users instantly visualize results graphically, facilitating swift analysis and enhancing overall efficiency.
This combination of advanced technology, depth capabilities, and real-time visualization makes the EM31-MK2 a powerful tool for professionals seeking accurate and reliable data for their projects.

HOW IS EM31-MK2 DATA USED?

- **Environmental Monitoring:** Identifying and assessing groundwater contaminants precisely facilitates effective environmental remediation efforts.
- **Geotechnical Surveys:** Accurately map geological variations, supporting construction and infrastructure projects with reliable ground assessments.
- **Detection of Buried Objects:** This method easily uncovers hidden metallic objects and waste materials, ensuring safety and compliance in urban and industrial environments.

The EM31-MK2 is more than just a ground conductivity meter; it's a gateway to precision and insight. With its real-time data capabilities and versatile applications, the EM31-MK2 is essential for professionals seeking excellence in environmental monitoring.