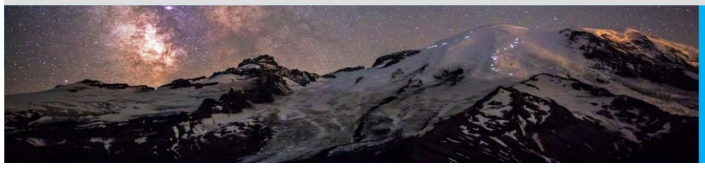
WCZ-1 Proton Magnetometer

Applications:

- Mineral survey, such as iron ore, lead-zinc ore, cupper ore
- Mineral prospecting, mineral ore depth, orientation, and continuity, ore shape, size and scale
- Oil, natural gas survey, related geological structure.
- General survey and local survey, geological mapping
- Base station for aerial and marine magnetic survey
- Fault detection.
- Archaeology.
- Hydrogeology.
- Engineering survey, such as pipe finding.
- Monitoring earthquake auspice, volcano and other environmental disasters.
- Small ferrite body finding.

Main features:

- Total magnetic field and gradient survey
- Base station survey
- Built-in real-time clock
- Latitude, longitude, elevation and time information of every measuring point are stored to compose measuring result.
- Large screen display, English interface, can automatically show magnetic curves, easy in operation.
- Backlight LCD, fitted for night survey.
- Keyboard is of user-friendly design and supports both hands operation.
- Auto and manual turning support.
- Easy and portable
- With RS-232C port



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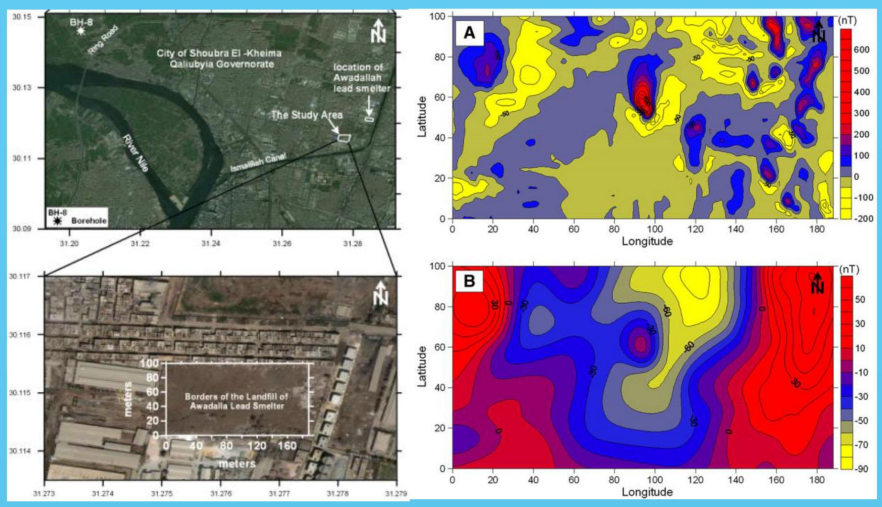
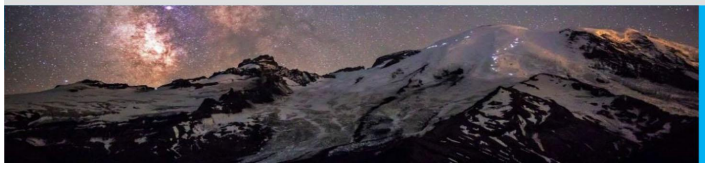
Web: www.langeoinstrument.com

Measuring range:	20,000 nT ~ 100,000nT
Accuracy	±1nT
Resolution	0.1nT
Gradient permitted	≤5,000nT/m
Data stored	100,000 , with power-off protection
LCD display	240×128
Keyboard input	22 keys
Port	RS-232C standard serial port
Power source	Rechargeable battery 14.5V/3Ah, external power supply optional (12V)
Console dimension	230mm × 155mm ×65mm
Weight	2.5Kg (including battery)
Sensor size	Φ75mm*155mm
Sensor weight	0.8 Kg
Working temperature	-10 ℃~+50 ℃

CASE STUDY

To detect the location of the solid waste buried materials, demarcate the groundwater and its possible contamination and determine the tolerable lead in soil in the area of the abandoned landfill of Awadallah lead (Pb) smelter, north-eastern Cairo, Egypt by magnetic method and geo-electric (VES).





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