



Gravimetry • Electromagnetics • Resistivity & IP • Gamma-Ray Spectrometers • Magnetic Susceptibility

GRAVIMETRY

Applications: Oil & gas and mineral exploration, geological mapping, water management, civil engineering and geotechnical investigations, detection of cavities, archaeological studies.

LG-1 GALILEO – Land Gravity Meter

- Lightweight rugged detector with fully quartz core
- Worldwide measuring range
- Repeatability better than 5 μ Gal
- Precise drift and temperature compensation
- Quick leveling system
- Hot-swappable Li-Ion cells (30 hours at 25°C)
- Detachable control unit with colour graphic display
- Large data memory (8 GB)
- Bluetooth connection, built-in GPS receiver
- USB data download to flash disk or to PC

ELECTROMAGNETICS

Applications: geological and civil engineering survey, agriculture and forestry, environmental monitoring, water management (searching for potable water sources, groundwater protection, ground contamination monitoring), raw material prospecting, archaeology, metal object and network detection.

CMD – Electromagnetic Conductivity Meters

- Contactless instruments for fast assessment of ground conductivity and inphase (susceptibility)
- Single or multi depth probes for 0.3 – 60m range
- One control unit for all probes
- Manual or continuous measuring modes with GPS
- Fast response, high temperature stability
- Multi-depth mapping with in-situ EM inversion
- Map preview of measured area
- Easy control system with graphical screen and large memory
- Bluetooth communication with probe or GPS

RESISTIVITY & IP

Applications: groundwater exploration, geotechnical investigation, monitoring of dams and dikes, environmental studies, geological survey, mineral prospecting, archaeology, detecting of cavities and buried objects, underwater, marine, borehole and cross-hole measurements.

ARES II - Automatic Resistivity System

- 850W - 2000 Vp-p - 5 A Transmitter for all multi-electrode and manual modes
- up to 10-channel receiver with up to 20 adjustable IP windows
- 2D/3D Resistivity & IP Tomography, VES, RP, SP Measurements
- Continuous or timed survey (4D)

- Remote control option – wireless or line connection using radio or GRM sets, RS232 or USB connection
- Power boosting possibility - by connection of more ARES II units
- Multi-electrode cables with section switch boxes, Roll-along possibility
- Easy operation, graphical screen
- Data download via USB port or flash disk
- Power supply from 12 V battery or AC/DC convertor
- GPS connectivity

GAMMA-RAY SPECTROMETERS

Applications: determination of K, U, Th concentrations and natural gamma dose rate, spectral measurements with identification of radiation sources for mineral and raw material (uranium) prospecting, environmental monitoring, geological mapping, laboratory assays, industrial and health care purposes.

GAMMA-SURVEYOR II – Gamma-Ray Spectrometers

- 1024-channel gamma-ray spectrometer for field exploration and shallow borehole logging, or simple scintillometer
- K, U, Th Assay, Dose rate and Search modes
- Manual or continuous measurements with GPS
- BGO detector
- Attachable collimator for logging of slim layers
- Fast auto-stabilization using natural radioactivity
- Smart, lightweight, rugged and waterproof design
- Bluetooth communication with probe, GPS or earphones

MAGNETIC SUSCEPTIBILITY

Applications: geological survey, archaeology, agriculture and forestry, raw material prospecting, mineralogy, sedimentology, detection of metallic objects, UXO survey.

MULTI KAPPA – Magnetic Susceptibility Meter for multi-layer survey

- Simultaneous measurement in three depth ranges with Multi Kappa 3L
- In situ assessment of magnetic properties of para-, dia- and ferromagnetic materials
- Manual or continuous measuring modes with GPS positioning and map preview
- Sensitivity 1×10^{-6} SI units with fast response
- Lightweight and rugged design
- Easy operation, graphical screen, large data memory
- Data download via USB port or flash disk
- Bluetooth communication with probe and GPS



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