

Advanced Geosciences, Inc.

Manufacturer of Geophysical Resistivity & Induced Polarization Imaging Systems and Software







Website: www.agiusa.com

SUPERSTINÇ[™] R8/IP



The **SuperSting R8/IP** is a state-of-the-art 8-channel portable memory earth resistivity meter with memory storage of readings and user defined measurement cycles. It provides the highest accuracy and lowest noise levels in the industry. It can be used with our patented Multi-channel Swift Dual Mode Automatic Multi-electrode cable (patent 6,404,203) or with different capability switch boxes and passive cables to form a system ideal for 1D, 2D or 3D resistivity or IP measurements.

SUPERSTING MARINE



The **SuperSting R8 Marine** instrument continuously records and stores data from a GPS receiver. Current is injected every 3 seconds and 8 apparent resistivity values representing 8 depth levels are read for each current injection. Our modeling software EarthImager 2D has a Continuous Resistivity Profiler (CRP) option to process these data. The system comprises the SuperSting Marine, the Marine Log Manager software and an electrode towing cable.

SUPERSTING REMOTE™



The **SuperSting Remote Monitoring System** (SSRMS) is designed for unattended monitoring applications on landfills, well sites, dams and other locations where changes of resistivity conditions over time need to be recorded and analyzed. The electrodes can be installed at the surface or in boreholes. An Internet connection for the server PC, preferably in the form of a DSL broadband connection, allows communications between the remote equipment and the main office.

SUPERSTING[™] R1/IP



The **SuperSting R1/IP** is a single-channel portable memory earth resistivity meter with memory storage of readings and user defined measure cycles. This instrument is based on technology developed for the famous SuperSting R8/IP multi-channel instrument. It pushes the performance levels of single channel systems forward by a large step. With the high power transmitter good data can be recorded in difficult locations where time-consuming stacking was the only alternative before.

MINISTING



The **MiniSting** is a low cost, single channel, memory earth resistivity and IP instrument mainly designed for manual measurements with four electrodes, but can also be equipped with automatic electrodes.

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AGI EarthImager is a Windows 32-bit platform based computer program that processes 1D, 2D or 3D electrical resistivity and IP data to produce inverted resistivity and IP sections that reveal the sought-after target or subsurface geology. EarthImager turns the complicated resistivity data inversion into a simple two-step process where only a few mouse clicks provide inversion results. EarthImager also has additional modules available for 2D Continuous Resistivity Profiling (CRP), 2D & 3D Timelapse imaging and IP forward modeling for more advanced applications.

EarthImagerTM 1D Processing Software



EarthImagerTM 2D Processing Software





Advanced Geosciences, Inc (AGI) is a manufacturer of geophysical imaging systems since 1989. The company is based in Austin, Texas, USA. Our state-of-the-art products include SuperSting R8/IP, SuperSting Marine, SuperSting R1/IP, and MiniSting memory earth resistivity/IP meters. Swift dual-mode automatic smart electrodes (US patent 6,404,203), graphite electrodes (US Patent 6,674,286), and resistivity and IP modeling and inversion software EarthImager for 1D, 2D and 3D applications.

AGI boasts the leading developer and manufacturer of both hardware and software for electrical resistivity and IP imaging and sounding. AGI instruments and modeling software are in all parts of the world. Our customers include government agencies, universities, research institutions, and environmental and engineering firms.

We are proud that scientists and researchers around the world have been using our electrical imaging instruments and software for cuttingedge research and solving real-world problems. Our resistivity and IP imaging systems are being used for:

- Cavity and sinkhole detection
- Geotechnical site characterization
- Groundwater exploration
- Lithologic mapping
- Mineral exploration
- Archaeological site investigation
- Detection of free products of non-aqueous phase liquids (NAPL)
- Monitoring of remediation processes such as steam enhanced remediation and insitu air-sparging
- Monitoring of subsurface processes such as groundwater recharge, infiltration, saltwater intrusion, tunneling, dam leakage and in-situ mining

For more information about our resistivity and IP systems including electrodes, cables and other accessories, please visit our website or contact us directly by phone or email...



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