



IPR-12

Induced Polarization

SARIS SPECIFICATIONS

The SARIS has been successfully used for many years as a mineral and oil & gas exploration tool. Resistivity is now routinely used for a wide variety of applications whether your application is groundwater, environmental, archaeology or resource exploration.

Hydrogeological applications, such as groundwater exploration, use the resistivity technique as the main exploration tool.

Migration of ground water pollution is easily monitored and measured using SARIS. Plumes of contaminant leaching out of a landfill site, for example, are of great concern.

Geotechnical, Engineering and Archaeological applications have also been addressed using the resistivity technique. SARIS simply allows you to do this better.

Output Power:	up to 100 W
Output Current:	up to 1.0 A
Output Current Precision:	+/- 1.25%
Maximum Output Voltage:	up to 500 V
Input Impedance:	11 MΩ
Input Voltage Range:	up to 40 V
Input Voltage Precision:	+/- 1%
Input Resolution:	0.6 μV
Dynamic Range:	156 dB
Noise Rejection:	98 dB power line rejection
SP Compensation:	0 to 1 V, automatic
DV/I Precision:	1%
Cycle Time:	5 or 6 Hz 1,2,4,8 seconds
Overall Accuracy:	+/- 1%
Operating Temperature: Environmental:	-20°C to +55°C IP64 environmental protection (waterproof)
Power Supply:	Rechargeable dry lead acid batteries
Measuring Capacity:	>10,000 (depends on load)
Memory Capacity:	>10,000 readings
Interface:	USB data output
Dimensions and Weights:	(Excluding connectors) Basic System with battery: 226 x 190 x 177 mm (8.9" x 7.5" x 7") Multi-Electrode Interface: 336 x 190 x 60 mm (13.22" x 7.5" x 2.36") Basic system with battery: 8.9 kg (19.62 lbs.) Battery only: 6.4 kg (14 lbs.) Multi-Electrode Interface: 1.4 kg (3 lbs.)

CABLE SYSTEM

Using the SARIS Multi-Electrode Interface allows the use of "Intelligent Electrode" imaging cable systems. Each standard imaging cable has 5 takeouts at 5m defined spacing for each takeout. Each cable system comes with the appropriate number of stainless steel electrodes and connector clips. SARIS imaging cable systems provide the unique feature of being able to expand your array by simply connecting additional cables to the end of one another.

ISO 9001:2008 registered company.

All specifications are subject to change without notice.

Specification Sheet Part Number: 735705 Revision 1



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