



## Resistivity Survey System

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| Seismograph system

☰ Details Info

### **Specifications:**

Metal and non-metallic mineral resources exploration and geothermal exploration, geological disaster exploration

### **Main Applications:**

- Widely used for high-resolution research, tomography and monitoring applications.
- Coal mining gobs, caves of Custer area, geological disasters survey like landslides othergeological disasters.
- High resolution engineering geological exploration like factory foundations, highways, bridges, railways, civil engineering, hydrology, engineering, environmental.
- For landslides and other geological disaster exploration.
- Metal and non-metallic mineral resources exploration and geothermal exploration.

### **System Components**

- One **SG6A** multi-functional DC resistivity instrument as the survey and control unit inthe system
- **SG2A** type 60-channel or 120-channel multiplex electrode switch manufactured by ourfactory
- cables, electrodes and other related accessories

### **Main Features:**

- Multiple function in one machine: The instrument has four functions including long lead IP instrument, 2D high density resistivity meter, 2D high-density IP instrument, and medium-power short lead transmitter.

- Easy for Operation: The instrument adopts all-digital automatic measurement, thus can execute automatic compensation for spontaneous potential, drift and electrode polarization. By adopting large screen LCD display in USA characters, more than fourteen types of wiring working mode can be directly displayed in high-density measurement mode; in SG6A stand-alone mode, nine types of electrode arranging methods can be directly displayed; meanwhile, real-time curve display can be realized during working.
- Extra-large Storage: In high-density mode, the instrument can store the measured data at 120,000 measuring points; in SG6A stand-alone mode, the instrument can store the measured data at 4,800 measuring points; there are 22 digits at each measuring points, provided with RS-232 serial interface, and the stored data can be directly transferred to the computer by means of appropriate software to carry out digital interpretation for various methods.

### SG2A Multiplex Electrode Converter

- Conversion Electrodes: 60 channels or 120 channels
- Supported manual configuration: Wenner, Schlumberger 1, Schlumberger 2, Dipole-Dipole, Combined Profiles, Differential, Pole-Pole, Triple-Pole Rolling,
- Operating Mode: 16-key keypad with 90 character LCD display combines to form man-machine dialogue operation.
- Maximum Allowable Current: 2A
- Maximum Withstand Voltage: 500V DC
- Insulating Property: 500MΩ
- Electroshock Break-over Resistance: smaller than 0.1Ω
- Power Consumption: 50 mA (Standby)
- Power Supply: 1# Dry Cell (or rechargeable battery with the same specification) 8 pcs.
- Working Temperature: -10°C~ +50°C, 95%Rh
- Weight: 7 kg (60 channels), 8.5kg (120 channels)
- Volume: 365×269.5×169mm (60 channels), 342×211×258mm (120 channels)



Head Office :1600 AVENUE DE LORIMIER BUREAU, 384 MONTRÉAL (QUÉBEC) CANADA H2K3W8 USA Office:128 W SUFFLOK AVE,CENTRAL ISLIP,11722 N  
Middle east & Africa Office : warehouse 9 /shed 9, Technology park P.O. Box 54806 RAK FZE , UAE



Email Us At:

[sales@acculabusa.com](mailto:sales@acculabusa.com) [middleeast@acculabusa.com](mailto:middleeast@acculabusa.com)



Phone Support: