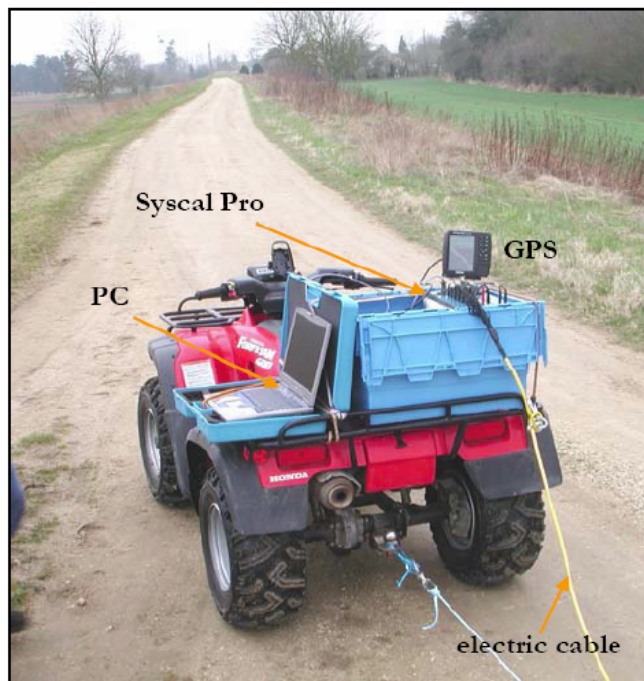


Syscal Pro for Dynamic Acquisition



Full System mounted on a quad

LAND AND MARINE SYSTEM

FOR CONTINUOUS

RESISTIVITY SURVEY

- Specific cables to be used with the Syscal Pro
- Dynamic mode driven by a PC software



SYSCAL Pro unit

SYSCAL Pro: the SYSCAL Pro unit is a system designed for high productivity resistivity and IP measurements. Beside the possibility to perform some classical electrical soundings, it allows to realize some profiles in a dynamic way.

Continuous logging: a specific mode and specific cables allow the system to be used for continuous logging, either for land or marine survey; a specific remote PC software, Sysmar, is used for data storage and for a real time graphical picturing of the apparent resistivity pseudo-section. Thanks to its **10 reception channels**, the SYSCAL Pro allows to obtain simultaneously a set of 10 resistivity data points corresponding to 10 depth levels. The **short current injection time** (150 ms) allows to record a set of 10 resistivities very quickly ; in case of a GPS/sounder recording during the profile, the acquisition step is about 2 s ; an acquisition speed of 3 km/h permits to keep a good lateral resolution.

Water environment: the high injection current value (up to 2.5 A) gives good quality results even in case of highly conductive areas (like in salt water).

Land environment: the **high injection voltage value** (up to 800 V) allows to obtain good quality results in case of reasonable grounding resistances values (typically lower than 40 kOhm in a 300 ohm.m ground resistivity context)

Interpretation software: data are collected through PC for further analysis and processing; they can be then exported to interpretation software for true resistivities section picturing.



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SYSCAL Pro

The electrodes cable has 13 takeout (2 are used for the injection of the current and 11 for the reception of the 10 potentials); each output wire of that cable is connected to a plug of the Syscal Pro front panel.
The standard spacing between take-out is between 2 and 5 m (user specified spacings can be supplied).

