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(57) Abstract :

Methods and apparatuses for measuring earth ground resistivity are provided. A main unit can be configured to couple to each of a plurality of electrodes over a respective wire, perform a resistance measurement over the plurality of electrodes, and transmit an induction signal over one or more of the respective wires indicating a representation of a resistance value calculated as part of the resistance measurement. A remote unit can be configured to detect the induction signal over the one or more of the respective wires using an inductance mechanism, process the induction signal to determine the representation of the resistance value, and render the representation of the resistance value on an interface of the remote unit.

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