Soil Resistivity Calculations

Using any one of the MCM meters or equivalent meter setup:

Soil resistivity = \(((\text{change in voltage}) / \text{change in current})) \times \text{pin spacing in feet} \times 191.51

Using the Nilsson 400 soil resistance meter or equivalent:

Soil resistivity = \text{dial reading} \times \text{multiplier range} \times \text{pin spacing in feet} \times 191.51

Typical Setup for Measuring Soil Resistance at 20 ft depth