

SOIL RESISTIVITY TEST KIT

Nilsson Model 400
Supplied Separately.
CAT No. 44106



CAT. No. 15622
Dim: 19" X 17" X 8"
WGT: w/o Nilsson 400 - 13 lbs.
w/Nilsson 400 - 20 lbs.



CONTAINS:

- 4-pin Resistivity test reel w/leads
- (4) Heavy duty Stainless Steel T-handle pins 3/8" x 18"
- Miller Soil Box w/4 soil pins
- Soil box test leads
- Custom carrying Case

The Soil Resistivity Test Kit is designed to conveniently store and carry all the equipment required to calculate the resistivity of soil. The equipment provided is all that is necessary to perform the Wenner Four-Pin and Soil Box method as outlined by the ASTM G 57-78 Standard.

The M.C. MILLER 4 Pin Test Reel has been designed and engineered to be used in conjunction with any one of the MCM's multi-combination family of meters, the Nilsson 400 soil resistance meter or similar four terminal soil test instruments.

The test setup utilizes the mechanics of the "FOUR ELECTRODE METHOD," which was developed by the National Bureau of Standards and is commonly known as the WENNER 4 PIN METHOD. The resultant resistivity is the average resistivity of the soil (electrolyte) to a depth equal to the spacing between adjacent electrodes (soil pins). The maximum depth (pin spacing) of this standard test set has been designed for 20 feet, which is recommended for standard survey.

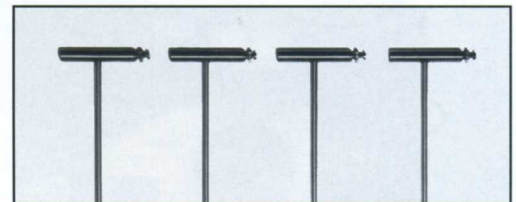
The Soil Resistivity Reel is made up of four (4) separate, color coded, lead wires of: 5 foot (yellow), 25 foot (orange), 45 foot (red) and 65 foot (black) lengths. Lead wires are harnessed together and mounted on a lightweight handheld reel. Wire ends at the reel are affixed to female banana plug jacks (mounted in the center hub area) while the opposite ends are terminated with Mueller 27-C clips. Two foot, color coded, jumper leads with banana plug ends are supplied with soil resistivity reel to facilitate connection between the REEL and your test meter.

All lead wires and jumpers are made of our own No. 16 AWG, 105 strand copper wire with PVC insulation.

In addition to our color coding of the wires, all ends are clearly labeled as to their connection point.



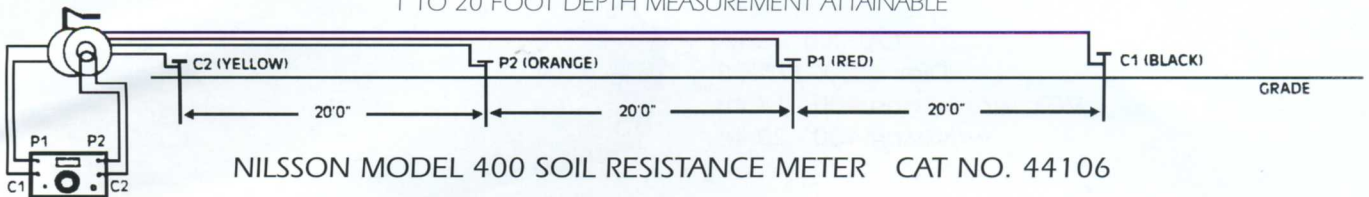
CAT. No. 44700



HEAVY DUTY
SOIL PINS
CAT. No. 44720

TYPICAL SETUP FOR MEASURING SOIL RESISTANCE AT 20' DEPTH

MCM 4-PIN SOIL RESISTANCE TEST REEL
1 TO 20 FOOT DEPTH MEASUREMENT ATTAINABLE



NILSSON MODEL 400 SOIL RESISTANCE METER CAT NO. 44106



LEADS
CAT. No. 37009



SOIL BOX
CAT. No. 37008

MADE OF PLEXIGLAS:

Inside of dimensions area approximately 2.5" wide x 9.0" long x 1.5" deep. (4cm x 22cm x 3cm). Corners are rounded for easy cleaning. Current plates are made of stainless steel. Potential pins are made of brass and are easily removed.



INSTRUMENTS

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ENGINEER

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