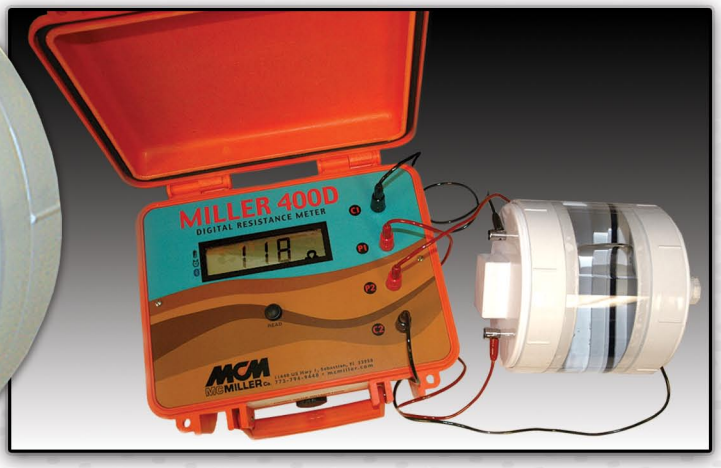
MILLER SOIL / AGGREGATE CYLINDER

...CONVENIENT RESISTIVITY TESTING OF LARGE (VOLUME) SOIL & AGGREGATE SAMPLES

Soil Cylinder (Cat #37020)



Soil Cylinder w/ Miller 400D Meter and Test Leads

Integrates with 4-Terminal Resistance Meters - Easy conversion to resistivity values via an indicated multiplication factor. [Accessory Test Leads Required (Cat # 37009) - See reverse side]

FEATURES & BENEFITS

- **The Miller Soil / Aggregate Cylinder can be used to satisfy either of the 2-Electrode Standards (ASTM G187 and AASHTO T-288)**
- **Large sample volume [approximately 2,714 cm³ (2.714 liters)]**
- **Can accommodate crushed-rock samples as well as regular soils and liquids**
- **Water can be added in-situ for sample saturation (de-ionized water, simulated rain water etc.)**
- **Closed, air-tight volume – allows subsequent testing of "as-found" samples**
- **Cylinder can act as a "mold" for crushed rock sample creation**

GENERAL INFORMATION:

The Miller Soil Cylinder can be used to satisfy either of the 2-electrode methods (ASTM G187 or AASHTO T-288 Standards). Based on the geometry of the cylindrical system [interior diameter =16.5cm (approx) and separation between the conducting end plates = 13cm (approx)], the multiplication factor for the soil cylinder is 16.25cm.

Construction Materials:

The body of the Soil Cylinder comprises Plexiglass (allowing easy viewing of the sample) and PVC components. The current distribution plates (conducting end plates) are stainless steel. Rubber O-rings provide sealing for the two end caps.

Resistance Meters and Accessories:

The Miller Soil Cylinder is compatible with 4-Terminal Resistance Meters, such as the Miller 400A, the Miller 400D and the Nilsson 400.

"Meter-to-Cylinder" Test Leads are available (priced separately) having banana plugs on one end and pointed plugs on the other end (Cat # 37009)

Test Leads (Cat #37009)

EXAMPLE APPLICATION OF MULTIPLICATION FACTOR:

Soil Cylinder filled with M.C. Miller Factory tap water:

Measured Resistance = 118 Ω
Resistivity Value = 118 Ω x 16.25 cm = 1,917.5 Ω.cm
[Hence MCM Tap Water Conductivity = 521 µS/cm]