



## Soil Compaction Meter, Spectrum Technologies SC 900



The portable soil compaction meter uses a cone penetrometer to measure soil compaction to a depth of 18 inches. The unit has a datalogger function to allow collection of sets of data that can be downloaded to a computer. The unit can also log GPS location using a Bluetooth connection to an appropriate GPS unit.

### **Uses:**

The unit will allow measurement of soil compaction in the top 18 inches of a rock free rooting medium to determine vegetation inhibiting layers and provide

information that can be used to prepare post reclamation soils for revegetation.

### **Maintenance:**

The unit should have soil cleaned from the probe and its batteries removed before storage. Before use, insert fresh batteries and perform a pre-programmed calibration operation.

### **Check out Contact information:**

This unit is available from the Technical Services Branch of the Mid Continent Region of OSM in Alton, IL. Equipment is available on a case-by-case basis depending on demand. Some training on the use of the equipment may be required. Contact Brian Hicks at 618 463-6463 ext 5121 or at [bhicks@osmre.gov](mailto:bhicks@osmre.gov) for more information.

The loan of equipment is documented by the requesting form attached and will be temporarily transferred using a Department of the Interior Property Pass, Standard Form DI-1934, signed by the appropriate responsible entities. OSMRE will generally pay for delivery to the requestor's office. Return delivery will be borne by the requesting office. Some equipment is oversized or may need special handling. Instruction on use of the equipment may be required prior to the temporary loan. Instruction on use of the equipment should be requested prior to the immediate need of the equipment.