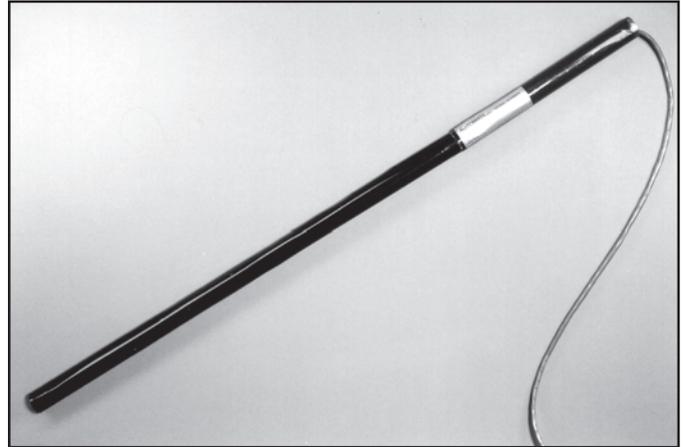


250-124 Soil Moisture Sensor

The **Model 250-124 Soil Moisture Sensor** monitors soil moisture reliably in all types of soils at all moisture levels. Soil moisture in fields, turf, landscapes, and greenhouses may be monitored equally well. The sensor output signal may be used to directly control irrigation. The sensor reads the percent of available moisture by volume, independent of soil texture.

Water is the primary factor in determining the dielectric constant of soil. The soil moisture sensor measures the dielectric constant which is directly related to water content in reasonable growing conditions. The probe consists of a small electronic module, encapsulated for environmental protection, attached to one end of the cylindrical probe. A 10' cable is provided to supply power and read out the soil moisture signal. Exposed material is epoxy.



250-124 Soil Moisture Sensor

Specifications

Power requirements: 12 Vdc \pm 20% @ 40mA
Output: 4-20mA, 0-1mA, or 0-5Vdc = 0-100% soil moisture (Linear)
Overall size: 3/4" diameter x 27" long
Shipping weight: 3 lbs
Turn-on time: 1 second from power up
Operating temperature range: 0-70°C

Ordering Information

250-124C-1	Soil Moisture Sensor, 0-1 mA output
250-124C-4	Soil Moisture Sensor, 4-20 mA output
250-124V	Soil Moisture Sensor, 0-5 V output
250-12CAB	Additional Cable, per foot