

## **AT210 Soil Moisture Sensor**



## **Description**

The Global Water Soil Moisture Sensor accurately measures soil moisture for many applications. The sensor requires no maintenance and has a high level signal output for direct interface to Global Water control, datalogging and telemetry systems. The moisture gauge averages moisture through a column of soil equal to its length when placed vertically, or will measure moisture at a specific soil depth when placed horizontally.

Additional temperature sensors can be added to monitor temperature for plant growth studies and control of bioremediation.

Water is the primary factor in determining the dielectric constant of soil. Global Water's Soil Moisture sensor measures the dielectric constant of the soil which is directly related to the water content of the soil. The sensor uses TDR, time domain reflectometry, for direct soil moisture measurement

The Global Water Soil Moisture sensors accurately monitor soil moisture, which means that bioremediation systems can be maximized and the ground water can be protected.

## **Specifications**

Range: 0-100% saturation

Power Requirements: 12 VDC ± 20% @ 40 mA

Overall Size: 3/4" diameter x 30-1/2" long

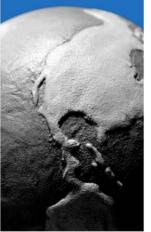
Output: 4-20mA

## **Options and Accessories**

AT210 Soil Moisture Sensor

Contact
Global Water
for all your
instrumentation
needs:
Water Level
Water Flow
Water Samplers
Water Quality
Weather
Remote Monitoring

Control





a **xylem** brand

In the U.S. call toll free at 1-800-876-1172 International: 1-979-690-5560 Fax: 1-979-690-0440 Email: globalw@globalw.com Visit our online catalog at: www.globalw.com Our Address: 11390 Amalgam Way Gold River, CA 95670