



AT210 Soil Moisture Sensor



- Reliable and accurate
- High-level output signal for datalog and control connection
- Can be installed vertically to monitor average moisture through a soil column or horizontally to monitor moisture at a specific soil depth

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

Accuracy: $\pm 2\%$

Resolution: 1%

Power Requirements: 12 VDC $\pm 20\%$ @ 40 mA

Output: 4-20mA

Operating Temp: -40° to $+131^{\circ}$ F (-40° to $+55^{\circ}$ C)

Overall Size: $\frac{3}{4}$ inch diameter x 30-1/2 inch long (2 cm dia. x 77.5 cm)

Weight: 2.5lbs (1.1kg)

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



Global Water
a xylem brand

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