

## SPECIFICATIONS

### Measurement Units:

Percent saturation  
Degrees Fahrenheit  
(Celsius available on request)  
µS (microsiemens)

### Measurement Range:

0 to 100% saturation  
0–92.7°C (0–199°F)  
up to 2,000 µS

### Accuracy: 1% of full scale

### Operating Temperature

Range: 5°C – 65°C

### Sensor Types:

**Moisture:** Capacitance

**Salinity:** Inductance

### Power Requirements:

#### Power Supply:

9 V DC battery,  
lasts approx. 3 months

### Sensor Dimensions:

**Weight (unpacked):** 2.26 kg

**Overall length:** 91.4 cm

**Probe length:** 76.2 cm

**Probe diameter:** 1.3 cm

## APPLICATIONS

Drip & low-flow irrigation

Golf courses

Parks and gardens

Landscape managers

Irrigation consultants

Farmers

Scales for clay, loam and  
sand

## FEATURES

Readings in seconds

Anywhere, anytime

Portable, lightweight

Long-term calibration

Rugged construction

Cast aluminium case

Aircraft grade stainless  
steel probe

## ORDERING INFORMATION

**EC-300** Salinity,  
Temperature & Soil  
Moisture Meter

DocRef: Ver1.1

# Aquaterr Salinity Temperature & Soil Moisture Meter

**P**robe your soil with a simple-to-use Aquaterr Soil Moisture Meter. Learn the truth about your irrigation system:

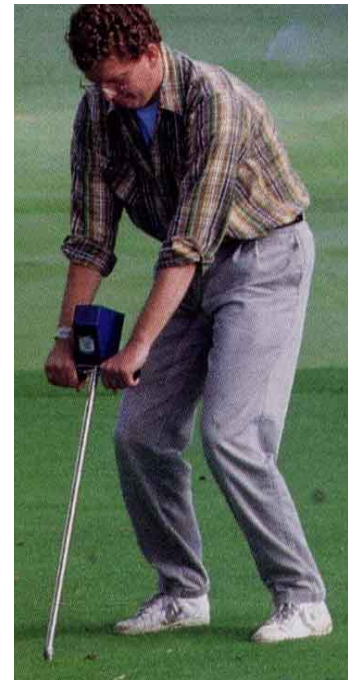
- How deep is the water penetration? At the root zone?

Below it?

- How good is your sprinkler or drip coverage?
- Do your controllers need resetting for different areas?

Different seasons?

Aquaterr Moisture Meters—the high technology tools that are changing the way water management is conducted. Join the many users who have discovered the benefits of “seeing” water distribution patterns in the soil. Those who have battled problem plants and tricky soil areas greatly appreciate the Moisture Meter’s ability to help solve these problems.



## Construction

Aquaterr Instruments portable capacitance-based probes provide instant direct readings in a stainless steel and aluminum housing that will last for years.

The fastest sensor response time in the industry allows you to check conditions anywhere as fast as you can walk and probe. This portability and speed means that these meters are the least expensive professional devices per test site available.

With these devices, a manager or their assistant can quickly evaluate an area for problems without waiting for lab results. This is why these devices serve as aids to thousands of irrigation decision makers in millions of acres worldwide.

## Salinity

These meters add a salinity tracking inductance sensor to the moisture and temperature. Together these help prevent yield loss and poor plant quality.

## Salinity tracking

Tracking the salinity of the water entering and leaving an area can be critical as water is conserved. High salinity levels entering the field will reduce yield and quality while excessively high levels leaving could mean the water is transporting fertilizers or other costly chemicals away.

## Root zone

Readings taken in the soil root zone can help track the salt accumulation and determine the need for and effectiveness of leaching. This is extremely important to drip or low flow where leaching is not part of the natural process. Excessive salt buildup will lead to poor quality, lower yield and eventual plant death.

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