# AT

## LEADING SOLUTIONS FOR SPORTS TURF PROFESSIONALS

**NEW**

# ML3 ThetaKit

## The ThetaKit is a powerful tool for optimising turf health

The ThetaKit enables fast, precise soil moisture measurement - enabling turf health to be accurately monitored.

To achieve the best surfaces, turf professionals have many resources to call on, but knowing *where and when* to apply these resources is a major challenge. The ThetaKit provides quick, reliable data to successfully address this issue.

### Use the ThetaKit to:

- **Spot check soil moisture content quickly and easily**

- **Identify areas too dry or too wet *before* turf problems become visible**

- **Quantify background levels of water content that underpin good turf performance**

- **Schedule optimised irrigation**

- **Check the performance of automatic sprinklers – and the uniformity of water application**

*The new ML3 ThetaProbe has replaced the ML2x model. It achieves the same class-leading ± 1% accuracy, but now has detachable cables and a restyled, compact white body.*

**Delta-T Devices**

Regular measurement of soil moisture content allows continual assessment of grass health - giving early warning of potential problems and enabling the turf manager to take preventative action - *before* damaging physical change in the turf has occurred.

## ML3 ThetaKit Features:

- **Soil moisture ±1% accuracy**

- **Highly portable and easy to use**

- **Waterproof and rugged probe, replaceable rods**

- **Minimal soil disturbance**

- **Stores up to 1500 readings with location ID**

## Easy to Use:

### Taking a Reading:

**Step 1:** Insert rods fully into the ground

**Step 2:** Press **Read** to take a reading ➡ ML3          Store? 20.3% vol

**Step 3:** Press **Store** to save or **Esc** to discard reading

**Step 4:** Remove the probe from the soil and move to a new location for next reading

Taking regularly spaced readings across turf allows you to assess relative changes in soil moisture content over that area. *This concept is illustrated in Fig 1&2 below, where moisture levels are colour coded.*

By repeating this process regularly the behaviour/quality of your turf can be characterised against weather and management practice - allowing you to optimise quality.

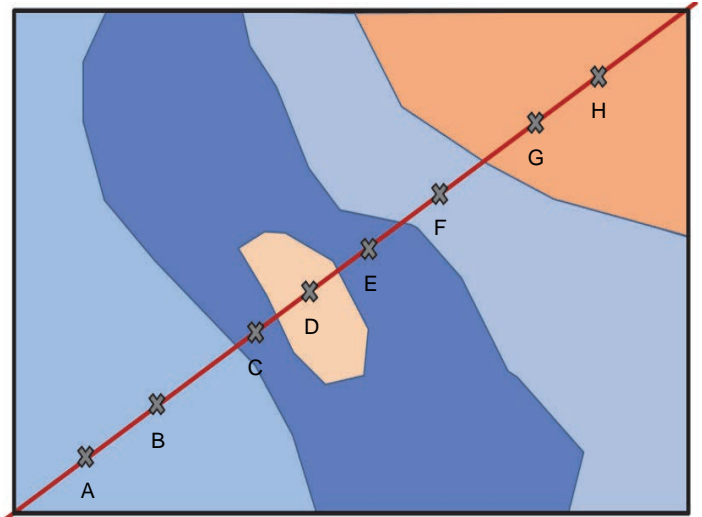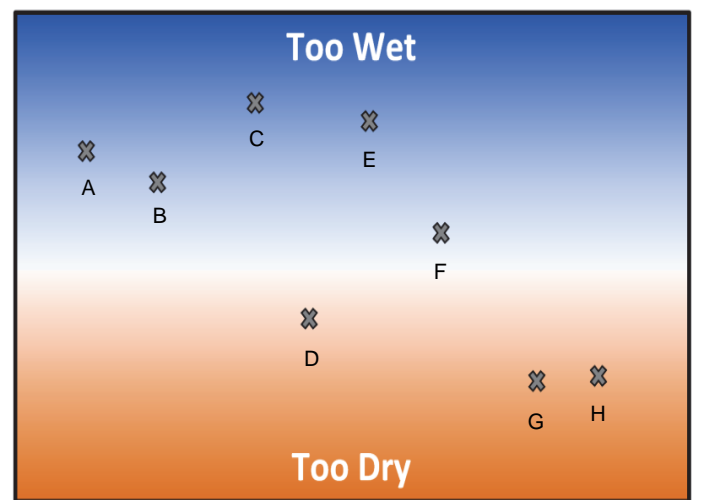**ML3 ThetaKit Spot Readings - Soil Moisture Variation Across Turf (A-H)**



Fig. 1



Fig. 2

Above diagrams are for illustrative purposes only.

## ML3 ThetaKit Brief Specification

| Range | 0-100% soil water content |
|---|---|
| Accuracy | ±1% (for 0-50% range) |
| Power | 9V PP3 battery (approx 5000 readings) |
| Sampling volume | 6cm x 3cm diameter cylinder |
| Environmental Sealing | Waterproof (IP68) |
| Memory | Up to 1500 readings |