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.
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

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

**ML3 ThetaKit Brief Specification**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Range</td>
<td>0-100% soil water content</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±1% (for 0-50% range)</td>
</tr>
<tr>
<td>Power</td>
<td>9V PP3 battery (approx 5000 readings)</td>
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<tr>
<td>Sampling volume</td>
<td>6cm x 3cm diameter cylinder</td>
</tr>
<tr>
<td>Environmental Sealing</td>
<td>Waterproof (IP68 – for sensor only)</td>
</tr>
<tr>
<td>Memory</td>
<td>Up to 1500 readings</td>
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</tbody>
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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.

Above diagrams are for illustrative purposes only.