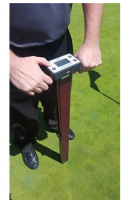




# Spectrum FieldScout TDR 350 Soil Moisture Meter with Bluetooth & GPS Connectivity

## Product Images





## Short Description

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The TDR 350 accurately measures soil moisture across the full range of soil conditions, using proven time-domain measurement technology. TDR Soil Moisture Meters are the industry standard for site-specific soil moisture measurements.

## Description

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### **TDR Soil Moisture Meters are the industry standard for site-specific soil moisture measurements.**

With new enhancements over its predecessor; the TDR300, the TDR350 provides significant improvements in performance and measurement accuracy for optimal turf conditions. Enhancements include EC (Electrical Conductivity) measurement, turf surface temperature measurement, an improved easy to read, large backlit display, integrated Bluetooth, and internal GPS; in addition to offering the proven time-domain measurement technology that turf professionals have come to trust in the FieldScout TDR brand.

Greenkeepers, sportsturf managers and farmers can now achieve even greater efficiency and savings in irrigation management.

With integrated Bluetooth and internal GPS, no additional components are necessary for GPS and Bluetooth connectivity. The large capacity data logger can record approximately 50,000 measurements with GPS coordinates. Data records can be saved to a USB stick, or sent via Bluetooth connection to a smartphone or tablet using the [SpecConnect FieldScout Pro App](#). View field readings in real time by using the TDR 350 in conjunction with the FieldScout Pro App and SpecConnect.

**Measurements:** The TDR 350 has increased accuracy to measure Soil Volumetric Water Content (VWC), along with Soil Electrical Conductivity (EC), and soil surface temperature.

**Integrated:** With integrated Bluetooth and GPS, no additional parts are necessary for Bluetooth connectivity and geolocation of readings. Using the FieldScout Mobile App, available for both iOS and Android, measurements can be automatically uploaded to SpecConnect with your FieldScout® Pro subscription for visualisation and data analysis.

**Display:** An industry exclusive, larger backlit LCD display provides optimal contrasts for daylight and low light

viewing, and larger digits for easier viewing of measurements. Receive instant readings – no smartphone or computer hookup required!

**Data logging:** Large capacity data logger can record approximately 100,000 Data records can be saved to USB stick, or smartphones or tablets via Bluetooth when using FieldScout Mobile Pro to SpecConnect.

**Design:** The TDR 350 has an ergonomic design with a shaft-mounted probe that is a telescoping tubular frame. This allows users to easily and rapidly take many measurements in various turf and soil environments.

### **Measuring Soil Moisture for Crops**

The TDR350 will change the way you irrigate. It gives you accurate, real-time soil moisture data consistent across the farm; which allows you to better manage your water resources. The TDR350 is becoming very popular in many potato growing areas. It is also used with field crops such as corn, wheat and many other vegetables.





### **Measuring Soil Moisture at Golf courses & Other Sports Turf**

With the enhanced TDR 350, greenkeepers can realise even greater efficiency and labour savings in irrigation management. It is fast, easy, and accurate. No need for tedious set-up, testing, and re-testing for your results. Get your answers on the spot with true root zone moisture information. With SpecConnect software, you are able to see the complete picture of your course's irrigation profile in full colour and without the need for catch cups or hand-drawn charts.

## **Want Some Helpful Advice?**

Call **01243 558280**, click on the webchat box below, or fill out our [contact form](#).

## Additional Information

Country of Manufacture	United States
Brand	Spectrum Technologies
Explanation	<div></div> <p><b>Capture and analyse measurements with the FieldScout Mobile App and optional Bluetooth wireless technology.</b></p> <ul style="list-style-type: none"><li>• Visualise field readings in real-time and email relevant information.</li><li>• Upload to SpecConnect Web Portal and view your entire course's data at once and export for further analysis. (<a href="#">Pro Features</a>)</li><li>• Colour-coded to represent a scale of turf firmness, moisture, surface temperature and EC.</li><li>• Works on iOS and Android devices. Free download from <a href="#">App Store</a> or <a href="#">Google Play</a>.</li></ul> <div></div>
Contents	<a href="#">Rods Sold Separately</a>
Ideal For	Professional, Agronomy
Power	Battery only
Power	Battery only

Installation	<p>Use the FieldScout Mobile app to instantly collect and display data. Collects data from the new FieldScout® TDR 350 Soil Moisture Meter using Bluetooth Smart connection.</p> <p><b>Visualise real time readings on your smartphone or tablet in the field:</b></p> <ul style="list-style-type: none"> <li>• Colour-coded to represent a scale of moisture, EC, surface temperature or turf firmness</li> <li>• Email relevant information to communicate results with others</li> <li>• Free download from Apple App Store or Android Google Play.</li> </ul> <p><b>Pro Mode (requires a SpecConnect subscription):</b></p> <ul style="list-style-type: none"> <li>• Google Maps dynamic satellite image shows readings data overlaid on your property</li> <li>• Guided Mode allows for taking grid readings without interacting with the phone</li> <li>• Freeform Mode plots a point for each reading, and stores its data independently</li> <li>• Automatic wireless upload to SpecConnect for further analysis from your personal web portal</li> <li>• Eliminates the need for a computer, cable and GPS accessory</li> <li>• SpecConnect provides complete data overview at once, overlaid on a satellite map</li> <li>• Color Gradient Mapping of data points within custom selected areas or groupings</li> <li>• Export your data from SpecConnect into an Excel document for deeper analysis.</li> </ul>
Specification	<p>Measurement Principle: Time -domain measurement.</p> <p>Measurement Units: Percent Volumetric Water Content (VWC). Resolution: 0.1%. VWC. Accuracy: +- 3.0% VWC with electrical conductivity (EC) &lt; 2 mS/cm. Range: 0% to saturation (Saturation up to about 50%)</p>
Typical applications	Environmental (Outdoor), Field Research
Measurements	Soil Electrical Conductivity (EC), Soil Moisture, Soil Temperature