



TDR 350 Soil Moisture Meter


MONITOR SOIL MOISTURE

Achieve consistent playing conditions by measuring turf soil moisture to optimize irrigation

INCLUDED MEASUREMENTS

- Volumetric Water Content (VWC)
- Electrical Conductivity (EC)
- Turf/Soil Surface Temperature

FEATURES & BENEFITS

- Soil measurements in less than a second
- FieldScout Mobile App displays data on a grid or as location icons with individual readings
- GPS/GNSS for georeferencing measurement locations
- Internal data logging up to 61,000 measurements. Download data to a USB flash drive.
- High-contrast backlit display for easy viewing
- Water-resistant, ergonomic shaft-mounted probe and telescoping tubular frame
- Infrared Temperature Sensor option for quicker readings
- Interchangeable soil probes (varying lengths) - sold separately
- **Send data to the  SpecConnect Cloud** with the FieldScout Pro mobile app subscription



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ITEMS & ACCESSORIES

6435 FieldScout TDR 350 Soil Moisture Meter

6428FS4* 1.5" (3.8cm) TDR Rods (Turf)

6429FS4* 3" (7.6cm) TDR Rods (Short)

6431FS4* 4.8" (12.2cm) TDR Rods (Medium)

6432FS4* 8" (20.3cm) TDR Rods (Long)

6435SP TDR Rod Spacer

6435TS Infrared Temperature Sensor

**Rods need to be purchased separately
Rod Dimensions: 0.2" (0.5cm) diameter, 1.25" (3.18cm) space between rods*

PRODUCT SPECIFICATIONS

CHARACTERISTIC	DESCRIPTION
Accuracy	±3.0% VWC; (when Electrical Conductivity < 2mS/cm)
Range	up to 98.3% Depending on Soil Type
EC	±0.1 mS/cm; Resolution: 0.01 mS/cm
Temperature	-22°F to 140°F (-30°C to 60°C); Infrared Optional
Resolution	0.1% VWC
Data Logger	45,000 to 61,000 Measurements
Measurement Principle	Time Domain Reflectometry (TDR)
Battery	4 AA Batteries
Dimensions	5"L/14.5"L with Handles x 3.3"W (1.4"W at base) x 37.9"H (12.7cm/36.83cm x 8.27cm (3.45cm) x 96.25cm)
Unit Weight	4.3 lb (1.9 kg)
Connectivity	USB Type A, Bluetooth Low Energy



SpecConnect is a Cloud Based service that allows you to access the data from your compatible FieldScout Meter on demand from your phone, PC or tablet.

Use this powerful tool as a central point for viewing and evaluating real-time data instantaneously for more informed decision making. SpecConnect can help improve yield and quality, conserve resources, increase profits and decrease risk by viewing VWC, EC and Surface Temperature.

- Configure your network from your computer, smartphone, or tablet
- Easy to navigate
- 100% customizable dashboard
- Supports multiple user logins



**Free mobile app download from the
Apple App Store or Android Google Play**

Basic Features

- Hands-free data collection
- Visualize in-field, real time readings on smartphone or tablet
- Color coded to represent a scale of moisture, EC, surface temperature or turf firmness
- Email relevant information to communicate results to others



Pro Features

- Google Maps dynamic satellite image shows data overlaid on your property
- Freeform Mode plots a point for each reading and stores its data independently
- Automatic wireless upload to SpecConnect for further analysis from your personal web portal
- Color Gradient Map of data points within custom selected areas or groupings
- Map locations of sprinkler heads, pin locations and more

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