



TDR 150 Soil Moisture Meter

MONITOR SOIL MOISTURE

Achieve consistent turf quality by capturing turf soil moisture measurements in the root zone 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 readings
- Internal data logging up to 50,000 measurements
- USB port to download data log to a USB flash drive
- High-contrast backlit display for easy viewing
- Optional Infrared Temperature Sensor option for quicker readings
- Optional GPS/GNSS for georeferencing measurement locations
- Interchangeable soil probes (varying lengths) - sold separately
- **Send data to the  SpecConnect Cloud** with the FieldScout Pro mobile app subscription



ITEMS & ACCESSORIES

- 6445 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
- 6445GBU FieldScout Bluetooth & GPS Upgrade

*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	3"L Sensor Block/3.3"L Display Screen x 2.0"W Sensor Block (1.5"W at base) x 23.5"H (7.6cm/8.3cm x 5.0cm (3.8cm) x 59.6cm)
Unit Weight	1.3 lb (0.58 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



FieldScout Mobile App

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



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

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