

TOP TURF MEASUREMENT PRODUCTS



CREATE CONSISTENT PLAYING CONDITIONS

- TURF DISEASE & INSECT PRESSURE PREDICTION TOOLS
- SITE SPECIFIC MICROCLIMATE MONITORING & MANAGEMENT
- IRRIGATION SCHEDULING & SOIL MOISTURE MANAGEMENT
- REAL DATA AT YOUR FINGERTIPS
- DEVICE TO CLOUD CONNECTIVITY WITH



Collects data from the new **FieldScout® TDR 350 Soil Moisture Meter**, **FieldScout® TDR 300 Soil Moisture Meter** (6453BT Bluetooth device required) and **FieldScout® TruFirm Turf Firmness Meter** using Bluetooth Smart connection

- Visualize real time readings on a Bluetooth Smart Ready smartphone or tablet in the field
- Color coded to represent a scale of moisture, EC, surface temperature or turf firmness
- E-mail relevant information to communicate results with others
- Free download from Apple App Store or Android Google Play

Pro Mode requires a SpecConnect subscription

- Google Maps dynamic satellite image shows readings data overlaid on your property
- Guided Mode allows for taking grid readings without interacting with the phone
- 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
- Eliminates the need for a computer, cable and GPS accessory
- SpecConnect provides complete data overview at once, overlaid on a satellite map
- Color Gradient Mapping of data points within a custom selected areas or groupings
- Export your data from SpecConnect into an Excel document for deeper analysis

FieldScout Mobile App



FREE



Install the FieldScout Mobile App to capture and analyze measurements on your turf using Bluetooth wireless technology on a FieldScout® TDR 350 Soil Moisture Meter or the FieldScout® TruFirm Turf Firmness Meter. Works on iOS and Android devices.

3035
3060
6453BT

SpecConnect FieldScout® Pro Subscription (1-yr)
SpecConnect Additional FieldScout® Device (1-yr)
FieldScout® Bluetooth Device for TDR 300



Direct Soil EC Meter

Instant and accurate direct EC and temperature measurements.

- Professional-grade meter
- No need to prepare samples - simply sample through the profile
- Patented paired sensor tip provides maximum soil-sensor contact and higher accuracy
- Sample directly in plug trays, pots, containers, solutions, or ground soils
- 0 to 19.9 mS/cm (Accuracy $\pm 1\%$, resolution 0.01 mS/cm)
- Automatic temperature compensation, long lasting, and waterproof
- Includes battery and EC calibration standard

8 in (20 cm) Probe Option

2265F5	FieldScout® Direct Soil EC Meter w/ 8 in Probe Includes Carrying Case and 2.76 Standard
2265PROBE	FieldScout® EC 8 in Probe (Replacement)
2254	Conductivity Standard, 2.76 mS/cm, 250 mL
2251	Conductivity Standard, 1.41 mS/cm, 250 mL

24 in (60 cm) Probe Option

2265FSTP	FieldScout® Direct Soil EC Meter w/ 24 in T-Handle Probe and Replaceable Tip
2265FST24P	FieldScout® T-Handle EC 24 in Probe w/ Replaceable Tip
2266	Replaceable Tip For T-Handle EC Probe



2265F5

2265FSTP

FieldScout Direct Soil EC
Meter with 24 in (60 cm)
T-Handle



Exclusive Paired Sensor



SoilStik pH Meter

Easy to use and cost-efficient meter.

- Flat surface electrode measures pH in soils, semi-solids, solids, and liquids - no more electrode breakage or clogged junctions
- RENEW indicator tells you when it's time to replace your electrode - eliminates guesswork
- CAL alert tells you it's time to recalibrate to ensure accuracy
- Memory records and recalls 15 sequentially tagged readings, allowing detection of changes over time
- 1- or 2-point calibration: automatically recognizes buffer solutions
- Automatic temperature compensation
- Simultaneous display of pH and temperature
- Display indicates when the reading has stabilized
- Data Hold, auto power off, and low battery indication
- Water resistant design (IP57) floats in water and protects the meter in wet environments
- Includes protective sensor cap, rinse bottle, two CR2032 batteries, pH 4 & 7 standard solutions, and soft case

2105	FieldScout® SoilStik pH Meter
2106	Flat Sensor, Replacement
2110	Refill Solutions - pH 4 and 7, 60 mL ea.



NEW TDR 350

Performance, Upgraded.

Announcing the new, next generation FieldScout® TDR 350 Soil Moisture Meter from Spectrum Technologies, Inc.

- Improved measurement of Soil Moisture (Volumetric Water Content)
- Measures EC (Electrical Conductivity)
- Measures Turf Surface Temperature
- Improved Backlit Display
- Integrated Bluetooth
- Internal GPS

The TDR 350 portable soil moisture meter offers the performance that you have come to trust with the FieldScout® brand as your trusted tool in the field for more than 15 years.

Offering the same proven time-domain measurement technology, the TDR 350 accurately measures soil moisture across the full range of soil moisture conditions. With new enhancements, the TDR 350 provides significant improvements in performance and measurement accuracy for optimal turf conditions.

Specs

Measurement Principle	Time-domain measurement methods
Measurement Units	Percent Volumetric Water Content (VWC)
Resolution	0.1% VWC
Accuracy	±1.0% VWC with Electrical Conductivity (EC) < 2 mS/cm
Range	0% to saturation (Saturation up to about 50% volumetric water depending on soil type)
Battery/Life	4 AA batteries; approximately 8 month battery life
Data Logger	50,000 measurements
EC	Range: 0 to 5 mS/cm, Resolution: 0.01 mS/cm, Accuracy: ±0.1 mS/cm
Temperature	Range: -10°C to 60°C, Resolution: 0.1°, Accuracy: ±1°C



New Features:

Measurements: The new 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, measurements can be automatically uploaded to SpecConnect with your FieldScout® Pro subscription for visualization and data analysis.

Display: An industry exclusive larger backlit LCD display provides optimal contrast 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 50,000 measurements with GPS coordinates. Data records can be saved to USB stick, or via Bluetooth connection to smartphones or tablets.

Design: The TDR 350 has an ergonomic design with a shaft-mounted probe on a telescoping tubular frame. This allows users to easily and rapidly take many measurements in various turf and soil environments without kneeling or bending over.



Based on technology developed by the United States Golf Association (USGA), the FieldScout® TruFirm® offers a quick, easy, and affordable method to measure the firmness of turf, bunker sands, and other playing surfaces. Data acquired from the device allows researchers and turf management professionals to measure the relationship between the compaction of the soil and the moisture level, in order to quantify playing conditions.

- View measurement on LCD Display
- Evaluate trends and monitor sections of turf relative to one another
- With FieldScout® Mobile App, instantly see your data on your smart phone or tablet
- The lower the value, the firmer the turf or surface
- Logged data can be sent via Bluetooth to a iOS or Android device for plotting specific greens or other surfaces
- Lightweight design results in an easily portable device without the need for extra parts
- Includes soft-sided carrying case

6490S	FieldScout® TruFirm® Turf Firmness Meter with Bluetooth 4.0
6490	FieldScout® TruFirm® Turf Firmness Meter Base model without Bluetooth
6491S	Bluetooth 4.0 Upgrade for TruFirm®



FieldScout® SC 900 Soil Compaction Meter

- Includes 1/2 in and 3/4 in cone tip
- Takes compaction readings every inch from 0 to 18 in (45 cm)
- Exclusive ultrasonic depth sensor captures readings in 1 in (2.5 cm) increments
- Penetration resistance measured by internal load cell
- Compaction data is displayed in PSI or kPa (1 psi = 6.9 kPa)
- Connects to any GPS receiver that has a serial output option*
- Includes USB cable, carrying case, and depth target

* GPS interface requires two cables. The GPS/DGPS cable (Item 2950CV5) is available from Spectrum. A PC serial interface cable supplied by the manufacturer of the GPS receiver is also required.

** PC cable connects to a computer USB port. See our website for other cable connection options.

6110FS	FieldScout® SC 900 Soil Compaction Meter
2950CV5	GPS/DGPS Cable
7250	GPS Unit Mounting Bracket
6106	1/2 in Replacement Tip (Fine soils)
6107	3/4 in Replacement Tip (Coarse soils)



FieldScout SC 900

INNOVATIVE AGRONOMY

LightScout® DLI 100 Light Meter

Greenhouse and Turf Models
Measure the light "falling" on your plants.

- Measures PAR light (Photosynthetically Active Radiation)
- Meter runs for 24 hours to calculate the Daily Light Integral (DLI)
- Real-time intensity levels are shown in $\mu\text{mol}\cdot\text{m}^{-2}\cdot\text{s}^{-1}$ every 4 seconds
- Greenhouse and Turf models available - each model provides greater resolution where it's needed most
- Helps you make decisions to increase plant growth and quality
- Simultaneously compare light between multiple locations
- Simple, one button operation
- Affordable, first step in measuring light
- Battery included

3405G3	LightScout® DLI 100 Meter - Greenhouse (set of 3)
3405G	LightScout® DLI 100 Meter - Greenhouse (1 unit)
3405T3	LightScout® DLI 100 Meter - Turf (set of 3)
3405T	LightScout® DLI 100 Meter - Turf (1 unit)





Weather and Environmental Monitoring



2900ET

Model 2900 ET

- The most powerful package for optimizing your irrigation and IPM decisions
 - Measures wind direction, wind speed, air temperature, relative humidity, dew point, rainfall, solar radiation, evapotranspiration, with 5 available external sensor ports
- 3350WD2 WatchDog® 2900ET
Weather Station \$1,895.00



THE RETRIEVER & PUPS SYSTEM. LET YOUR PLANTS TALK TO YOU.

Our Retriever and Pups system brings real-time, site specific data from multiple locations on your property to your mobile device anywhere you can access SpecConnect via the Internet.

Know actual conditions for all microclimates:

Moisture	Weather
Rainfall	Soil Moisture
Humidity	Wind
Light	Temperature

We can customize your setup, and add weather stations to bring data from every nook and cranny of your property to you.

Contact us for custom configuration assistance!

CUSTOMIZED NETWORK

SPECCONNECT INTEGRATED
WIRELESS SOLUTION

