

FIELDSCOUT® MOBILE

FIELDSCOUT® MOBILE APP

Data at your fingertips! We've made it easier for you to send data from the field to your smartphone.

BASIC FEATURES

Free Mobile App download from Apple App Store or Android Google Play.

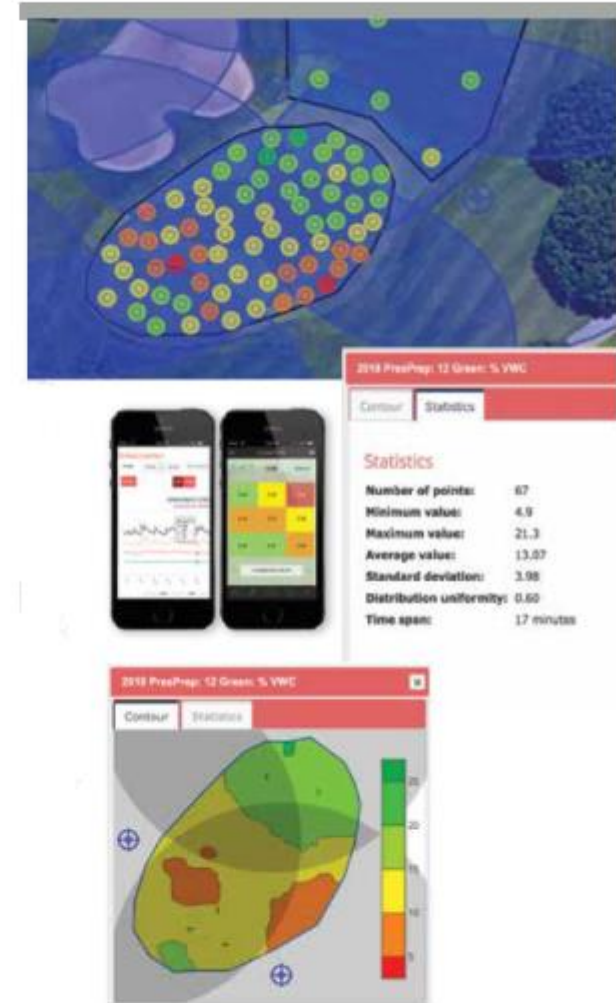
Basic capabilities include:

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

PRO FEATURES

Collect data, evaluate trends, log and analyze multiple data points. Data can be sent via Bluetooth to an IOS or Android device and saved to the Cloud. Pull together soil moisture and EC data from your TDR meter and firmness data from your TruFirm to fine-tune agronomic and cultural practices for specific greens or other surfaces.

FieldScout Pro Mode requires the purchase of a SpecConnect FieldScout 1-year subscription



PRO MOBILE APP CAPABILITIES INCLUDE:

HANDSFREE DATA COLLECTION

- Google Maps dynamic satellite image shows readings data overlaid on your property on mobile device and web portal
- 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
- SpecConnect provides complete data overview at once, overlaid on a satellite map
- Color Gradient Mapping of data points within custom selected areas or groupings
- Map locations of sprinkler heads, pin locations and more

FIELDSCOUT® MOBILE COMPATIBLE ITEMS

- TDR350 Soil Moisture Meter
- TruFirm Turf Firmness Meter
- TDR150 Soil Moisture Meter (with optional GPS/Bluetooth upgrade)
- TDR300 Soil Moisture Meter (with optional Bluetooth device)

FIELDSCOUT MOBILE APP FREE

3035A SpecConnect FieldScout Pro Subscription (1-yr) 1-3 Devices

3035B SpecConnect FieldScout Pro Subscription (1-yr) 4-7 Devices

3035C SpecConnect FieldScout Pro Subscription (1-yr) 8+ Devices

FIELDSCOUT MOBILE APP BASIC vs. PRO

	Basic	Pro
Basic Grid Map	✓	✓
Change Number of Grid Zones	✓	✓
Customizable Google Map Image		✓
Saves the Average Measurement by Zone	✓	✓
Email the Map/Results View	✓	✓
Freeform Notes		✓
Freeform Mode		✓
Guided Mode (Auto-Advancing through Zones)		✓
SpecConnect Data Sharing		✓
Auto-Upload to SpecConnect		✓
Add User Note or Comment to Individual Reading or Zone		✓
Irrigation/Soil Moisture Audit		✓



Backed with proven time-domain measurement technology, the TDR350 accurately measures soil moisture across a full range of soil conditions. An ergonomic design and built-in display provide quick and easy measurements to validate your cultural practices.

WHAT DOES IT MEASURE?

Soil moisture (Volumetric Water Content %), Salts (Electrical Conductivity) and surface, plus optional Infrared Temperature sensor. (see below)

COMMON APPLICATIONS

- Reliable portable meter for instant, accurate and actionable root-zone moisture and soil EC readings average of rod length
- Irrigation scheduling, syringing practices, soil flushes and many other agronomic and cultural practices
- Track and trend data from day to day, month to month and season to season to optimize turf Health and Conditioning

FEATURES & BENEFITS

- Back-lit Display – Easy to see on early mornings and bright sunny days
- Layout & Larger Digits – Clearly view readings, settings and icons
- Integrated Bluetooth & GPS – Greater accuracy with on-board components
- Internal Data Logger – Records approximately 50,000 measurements with GPS coordinates
- Improved Durability – Sturdy telescoping tubular frame encloses/protects cabling

HOW DO YOU ACCESS THE DATA?

- Manual – download the data with a USB flash drive, no special software or cable required
- Hands free – instantly view data on your smartphone or tablet via FieldScout Mobile App
- Cloud – SpecConnect FieldScout Pro subscription automatically uploads data to your personal web portal to view enhanced mapping and reporting features



SMART IRRIGATION: MAXIMIZE IRRIGATION AUDITS WITH TDR

- 6435 TDR350 – Includes carrying case. Rods required for TDRs to function and sold separately.
- 6435TS Infrared Temperature Sensor for TDR350
- 6435SP Rod Spacer for 0.5" and 1" depths

SPECIFICATIONS FOR TDR SOIL MOISTURE METERS

VWC Range: 0% to saturation, Resolution: 0.1%, Accuracy: $\pm 3.0\%$ VWC

EC Range: 0 to 5 mS/cm, Resolution: 0.01 mS/cm, Accuracy: ± 0.1 mS/cm

Temperature Range: -22° to 140° F (-30° to 60° C), Resolution: 0.1, Accuracy: $\pm 1.8^{\circ}$ F (1° C)

IR Temperature Range: 32° to 140° F (0° to 60° C), Resolution: 0.2° F (0.1° C), Accuracy: $\pm 0.2^{\circ}$ F (0.1° C)



FIELDSCOUT® TDR150 & ACCESSORIES

An affordable alternative to the TDR350, the TDR150 is a compact meter that allows you to obtain readings on-the-go. Ideal for measuring containers on benches, variable rod length options provide soil moisture measurements for your ideal root depth.

WHAT DOES IT MEASURE?

Soil moisture, (Volumetric Water Content %), Salts (Electrical Conductivity) and Temperature (Surface thermistor)

FEATURES & BENEFITS

- Back-lit Display – Easy to see on early mornings and bright sunny days
- Easy-to-read Layout & Large Digits – Clearly view readings, settings and icons
- Integrated Bluetooth & GPS – Greater accuracy with on-board components
- Internal Data Logger – Records approximately 50,000 measurements with GPS coordinates

HOW DO YOU ACCESS THE DATA?

- Manual – download the data with a USB flash drive, no special software or cable required
- With optional GPS and Bluetooth upgrade (see details below)
- Hands free – instantly view data on your smartphone or tablet via FieldScout Mobile App
- Cloud – SpecConnect FieldScout Pro subscription automatically uploads data to your personal web portal to view enhanced mapping and reporting features



6445 TDR150 – Includes carrying case. Rods sold separately (below).

6445TS – Infrared Temperature Sensor-TDR 150

6435SP TDR – Rod Spacer for 0.5" and 1" depths

6445GBU – Bluetooth and GPS Upgrade

TDR Rods

Multiple depth options for varying root zones.

Sturdy stainless-steel construction

Field replaceable

NOTE: Required for TDRs to function. Must be fully inserted for valid measurements.

6428FS4 Two 1.5 inch (3.8 cm) Rods

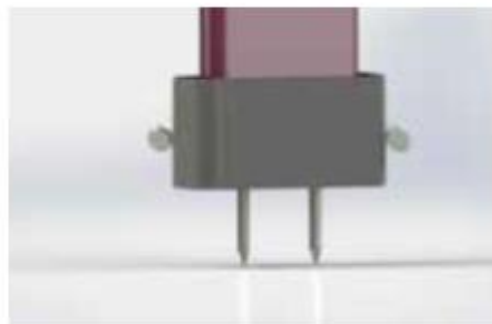
6429FS4 Two 3 inch (7.6 cm) Rods

6431FS4 Two 4.8 inch (12 cm) Rods

6432FS4 Two 8 inch (20 cm) Rods

6430PH Pilot Hole Maker for TDR Meters

Includes two 3 inch (7.6 cm) rods



TDR SPACERS

- Measure Soil Moisture at 0.5" to 1"
- Expand the measurement range of our FieldScout TDR Soil moisture probes
- Using 1.5" (3.9 cm) rods, the TDR Rod Spacer enables easy measurement of 0.5" and 1" depths
- Flip to switch between the two depths
- Easily attach and detach from any FieldScout TDR meters

FOR TDR350/TDR150

6435SP Rod Spacer (Also available for TDR 300/100)

INFRARED TEMPERATURE SENSOR

6435TS Infrared Temperature
Sensor for TDR350

6445TS Infrared Temperature
Sensor for TDR150

- Predict turf wilt, with higher accuracy
- Easily correct a moisture deficit earlier and reduce heat stress to the green
- Quickly and accurately monitor canopy and soil temperatures
- Use IR temperature real-time – instantaneous readings
- Easy installation to our FieldScout TDR350 and TDR150

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Australia
Water Monitoring Control

FIELDSCOUT® TRUFIRM® TURF FIRMNESS METER



Based on USGA technology, 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 turf management professionals to measure the relationship between the compaction of the soil and the moisture level to quantify safety and performance of playing conditions.

WHAT DOES IT MEASURE?

Surface Firmness/Hardness (depth of impact in inches)

COMMON APPLICATIONS

- All-in-one portable meter for evaluating impacts of cultural practices, play and environmental conditions on putting greens and other athletic surfaces
- Golf course greens, approaches, bunker sands and fairway landing areas for achievement of optimal surface performance and consistency
- Natural and artificial turf playing surfaces, infield dirt, turf and clay tennis courts, cricket pitches, bowling greens, racing tracks, etc.
- Track and trend data over time to better understand effects of turf inputs and optimize conditioning, play-ability and safety



FEATURES & BENEFITS

- Built-in Display – immediate digital results on a conveniently located screen
- Easy to Use – simply raise and drop the hammer in one motion
- Objective Values – analyze & compare impact of environment and maintenance inputs on play
- Versatile Tool – perfect for golf courses and sports fields at schools, parks, etc.
- Self-Contained – one complete unit, no small pieces to keep track of or lose
- Very Affordable – designed to make measurement possible for every facility
- Bluetooth – wireless data collection with the FieldScout Mobile App and add satellite mapping with automatic cloud upload with SpecConnect FieldScout Pro

HOW DO YOU ACCESS THE DATA?

- Hands free – instantly view data on your smartphone or tablet via FieldScout Mobile App
- Cloud – SpecConnect FieldScout Pro subscription automatically uploads data to your personal web portal to view enhanced mapping and reporting features

SPECIFICATIONS FOR TRUFIRM

Range: 0.1 in - 1.5 in (2.54 mm - 38.1 mm)

Resolution: 0.01 in at 1.00 in - 1.50 in (0.25 mm at 25.4 mm - 38.1 mm)

0.003 in at 0.00 in - 0.999 in (0.076 mm at 0 mm - 25.4 mm)

Diameter of Hammer: 1.68 in (4.45 cm)

Height: 27 in (69 cm)

Weight: 4.3 lb (1.95 kg)

Measurement Units: Depth of travel (inches)

Power: 2 AA batteries (included)



FIELDSCOUT® SOIL COMPACTION METERS

FIELDSCOUT® SC 900 Soil Compaction Meter



Help make decisions regarding areas of the field that require tillage, changes to crop rotation, and planting of cover crops.

- 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*
- Equipped with internal data logger and RS-232 port
- Configure and download meter with FieldScout® software (included)**
- Upload your data to SpecConnect for maps of compaction by depth, or depth to hard pan layer
- 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
6110FST	Replacement Depth Target
6106	1/2 inch Replacement Tip (Fine soils)
6107	3/4 inch Replacement Tip (Coarse soils)

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Website: <https://www.watermonitoringcontrol.com.au/>