

# SOIL AND WATER



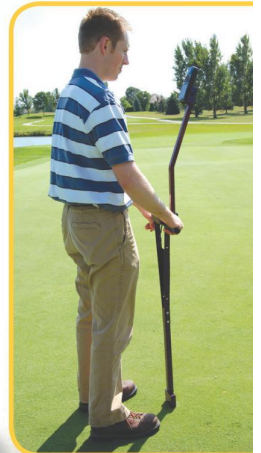
## FIELDSCOUT® TDR 300

Manage water responsibly and reduce operating expenses

- Instantaneous readings of root zone soil moisture
- Connects to any GPS receiver with serial output\*\*
- Equipped with internal data logger and RS-232 port
- Records 3,250 measurements (1,350 with added GPS/DGPS option\*)
- Configure and download meter with FieldScout software (included)
- Compatible with SpecMaps online web-mapping application (page 45)
- Rods sold separately

\* Spectrum's PC cables connect to a 9-pin serial port. USB-Serial adapter (item 3661USB) required for connection to computers with only USB ports.  
 \*\* 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.

- Item ST-6430FS** FieldScout TDR 300 Soil Moisture Meter  
Includes soft-sided carrying case
- Item ST-2950CV5** GPS/DGPS Cable
- Item ST-7250** GPS Unit Mounting Bracket
- Item ST-3661USB** USB-to-Serial Adapter
- Item ST-6430CASE** TDR 300 Carrying Case



TDR 300 shown with optional GPS bracket  
GPS not included



TDR 300 and TDR 100 Carrying Cases

## FIELDSCOUT® TDR 100

- Instantaneous readings of root zone soil moisture
- Ideal for measuring containers on benches
- Probe block comes with a 5 ft (1.5 m) cable
- Configure meter with FieldScout software (included)
- Rods sold separately

- Item ST-6440FS** FieldScout TDR 100 Soil Moisture Meter  
Includes hard-sided carrying case
- Item ST-6440FSS** Replacement TDR 100 Soil Moisture Probe
- Item ST-6440CASE** TDR 100 Carrying Case

### SPECIFICATIONS FOR TDR SOIL MOISTURE METERS

- Measurement Principle: Time-domain measurement methods
- Measurement Units: Percent volumetric water content
- Resolution: 0.1% volumetric water content
- Accuracy: ±3.0% volumetric water content with electrical conductivity < 2 mS/cm
- Range: 0% to saturation (Saturation typically around 50% volumetric water)
- Battery/Life: 4 AAA alkaline batteries; approximately 12-month battery life
- Data Logger: (TDR 300) 3,250 measurements without GPS; 1,350 with GPS/DGPS



Pilot Hole Maker for TDR Meters

## TDR Rods

- Sturdy stainless-steel construction
- Field replaceable

- Item ST-6428FS** Two 1.5 inch (3.8 cm) Rods
- Item ST-6429FS** Two 3 inch (7.5 cm) Rods
- Item ST-6431FS** Two 4.8 inch (12 cm) Rods
- Item ST-6432FS** Two 8 inch (20 cm) Rods

- Item ST-6430PH** Pilot Hole Maker for TDR Meters  
Includes two 3 inch (7.5 cm) rods (item 6429FS)



"To Measure Is To Know"