

Soil Compaction Meters



Why measure soil compaction?

The soil is the plant's reservoir of water, nutrients and oxygen. Compacted soil has less pore space to store what the plant needs. Soil compaction prevents moisture penetration, reduces fertilizer and chemical uptake, creates conditions for anaerobic microbes to build up and hinders plant root growth. In some cases, yield losses can run as high as 30% due to compaction alone.



FIELDSCOUT[®] SC 900 Soil Compaction Meter

Improve your yield potential by locating and monitoring soil compaction

- Includes 1/2 in and 3/4 in cone tip
- Takes compaction readings to a depth of 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
- Records 772 measurements (579 with added GPS/DGPS option)
- Configure and download meter with FieldScout software (included)**
- Compatible with SpecMaps online web-mapping application (see website)
- Includes carrying case and depth target

* GPS interface requires two cables. The GPS/DGPS cable (item 2950CV5) is available from Spectrum.

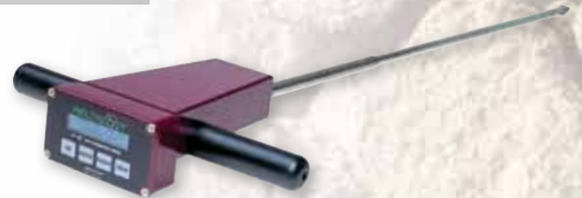
A PC serial interface cable supplied by the manufacturer of the GPS receiver is also required.

** 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.

Item 6110FS	FieldScout SC 900 Soil Compaction Meter	\$1,695.00
Item 2950CV5	GPS/DGPS Cable	\$39.00
Item 7250	GPS Unit Mounting Bracket	\$149.00
Item 3661USB	USB-to-9-Pin-Serial Adapter	\$39.00
Item 3661U	USB-to-3.5mm-Stereo-Plug Adapter	\$59.00
Item 6110FST	Replacement Depth Target with Hole for 3/4 in Tip	\$30.00
Item 6106	1/2 in Replacement Tip (Fine soils)	\$35.00
Item 6107	3/4 in Replacement Tip (Coarse soils)	\$39.50

SPECIFICATIONS FOR FIELDSCOUT SC 900

Measurement Units:	Cone Index (PSI or kPa)
Resolution:	1 in (2.5 cm), 5 PSI (35 kPa)
Accuracy:	± 0.5 in (1.25 cm) Depth, ±15 PSI (103 kPa) Pressure
Range:	0 to 18 in (0 to 45 cm), 0 to 1,000 PSI (0 to 7,000 kPa)
Battery/Life:	4 AAA alkaline batteries; approximately 12-month life
Data Logger Capacity:	772 profiles without GPS; 579 profiles with GPS



FieldScout SC 900 with Depth Target

Soil Compaction Meter

- 24 in stainless steel rod with adjustable shock collar to prevent damage to the gauge during transport or storage
- Easy to read, color-coated, stainless steel dial that is liquid filled to reduce shock
- Durable molded housing with rubber grip handles
- Large and small tip included with convenient storage in tester housing
- Penetration Depth: Up to 24 in (60 cm) in 3 in (7.6 cm) increments

Item 6120	Soil Compaction Tester	\$235.00
Item 6121	1/2 in Replacement Tip (Fine Soils)	\$20.00
Item 6122	3/4 in Replacement Tip (Coarse Soils)	\$29.50

