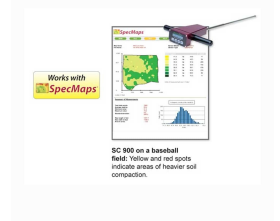
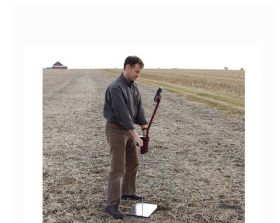




Spectrum FieldScout SC900 Soil Compaction Meter

Product Images





Short Description

Improve your yield potential by locating and monitoring soil compaction. The SC 900 is a state-of-the-art electronic cone penetrometer for use in soil density, trafficability and compaction studies.

Description

Improve your yield potential by locating and monitoring soil compaction.

Compacted soil has less pore space to store what the plant needs. Soil compaction prevents moisture penetration, reduces fertiliser 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.

The SC 900 is a state-of-the-art electronic cone penetrometer for use in soil density, trafficability and compaction studies. This electronic soil compaction meter measures cone index data, logs the data and allows the user to review the data to make soil management decisions.

- **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).

Want Some Helpful Advice?

Call **01243 558280**, click on the webchat box below, or fill out our [contact form](#).

Additional Information

Brand	Spectrum Technologies
Explanation	<p>Soil depth readings are determined by a sonic depth sensor.</p> <p>Cone index values are measured by a load cell sensor and can be displayed in PSI or kPa.</p> <p>The Field Scout SC 900's shaft-mounted probe allow you to easily and rapidly take many measurements. The probe has options for a 1/2" or 3/4" diameter cone tip. The shaft can be disassembled into two pieces for easy storage and transport.</p> <p>The meter's built-in datalogger can record data from several sites and eliminates the need to record data manually.</p> <ul style="list-style-type: none">• 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 with serial output*• Equipped with internal data logger and RS-232 port• Records 772 measurements (579 with added GPS/DGPS option)• Compatible with SpecMaps online web-mapping application <p>Configure the meter and download the data with FieldScout® software and the included USB-to-3.5mm-Stereo-Plug PC cable (Item 3661U)**</p> <ul style="list-style-type: none">• Includes carrying case and depth target
Ideal For	Agronomy
Batteries	4 x AAA alkaline batteries (approximately 12 month life)
Power	Battery only
Compatibility	<p>GPS Recommendation: Garmin GPS 73 Handheld GPS Navigator. Purchase through Amazon.co.uk. The GPS 73 is a low-cost solution designed to provide precise GPS positioning using correction data obtained from the Wide Area Augmentation System (WAAS). The GPS 73 can provide position accuracy to less than three meters when receiving WAAS corrections. This rugged, waterproof, unsinkable GPS receiver offers a large, 4-level grayscale screen. It's designed as the next generation in basic, entry-level Garmin GPS.</p> <p>* GPS interface requires two cables. The GPS/DGPS cable (Item 2950CV5) is available from EnviroMonitors. A PC serial interface cable supplied by the manufacturer of the GPS receiver is also required.</p> <p>** The PC cable connects to a computer USB port</p>

Software	Includes FieldScout software for downloading data.
Typical applications	Environmental (Outdoor), Field Research