

# Keep Your Greens Firm and Fast

FIELDSCOUT<sup>®</sup>  
**TruFirm<sup>®</sup>**

Turf Firmness Meter

Supported with



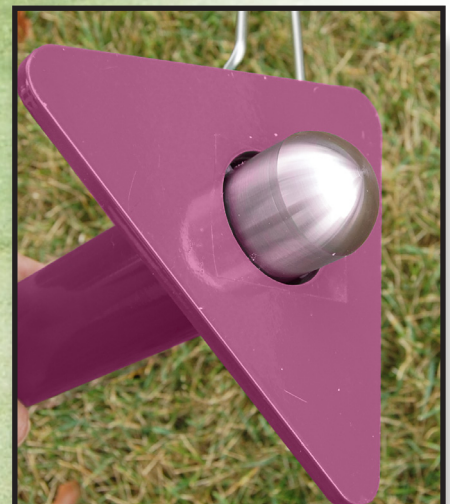
Developed Technology



Bluetooth Compatible - Android OS



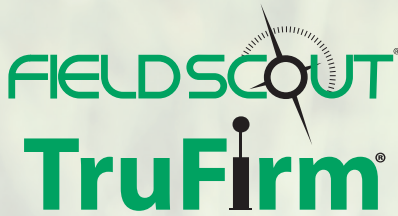
Simple Push Button Operation



Golf Ball Shaped Hammer for Better Impact Simulation

**Spectrum<sup>®</sup>**  
Technologies, Inc.

# Turf Firmness Meter



- Measures golf course turf conditions for firm and fast play
- Portable, easy-to-use design
- Bluetooth capabilities for instant analysis

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 and bunker sands. Data acquired from the device allows golf course superintendents and sports turf managers the ability to take appropriate actions to reach the desired firmness of golf course greens, fairways, and bunkers, as well as other playing surfaces.

The primary objective for the development of the TruFirm is to provide championship-caliber playability by managing greens that are consistently firm and fast. By measuring the relationship between the compaction of the soil and the moisture level, greenkeepers are able to ensure healthy, aesthetically-pleasing greens that offer exceptional playability. Objective data measurements allow turf management professionals to balance the fine line between soil moisture and firmness, which can challenge even the most experienced experts in the industry.

TruFirm was designed to be user-friendly. The lightweight design results in an easily portable device without the need for extra parts. Measurements are instantaneous, and logged data can be sent via Bluetooth to a mobile/handheld device for plotting specific greens or other surfaces. A free associated Android app allows users to analyze greens over nine distinct segments to evaluate trends and monitor sections of green relative to one other.

Common applications for TruFirm include:

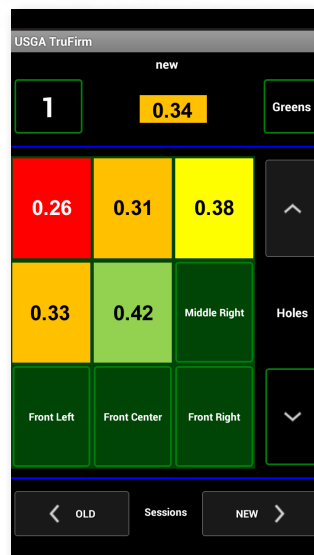
- Golf course greens for better playing conditions and fewer ball marks
- Fairway landing areas for longer drives
- Green approach areas for chip and run play
- Bunker sands for moisture retention and greater ball control

- Item 6490**      **FieldScout TruFirm Turf Firmness Meter**  
Base model without Bluetooth
- Item 6491**      **Bluetooth Upgrade for TruFirm\***
- Item 6490B**      **FieldScout TruFirm Turf Firmness Meter with Bluetooth**

*\*Requires customer to ship unit back to Spectrum to complete the upgrade.*



The patented TruFirm system utilizes a hemisphere-shaped impact hammer that mimics the shape of a golf ball to better simulate golf ball impacts. The mass is dropped from a consistent height and the maximum turf penetration value is recorded and correlated to the surface firmness — the lower the penetration value, the firmer the turf.



Download the **free** TruFirm Android app to capture and analyze measurements on nine distinct sections of green using Bluetooth wireless technology. Information can be stored and sent via e-mail for further analysis.

## SPECIFICATIONS FOR TRUFIRM

|                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Power:</b> 2 AA batteries (included)                                                                                                           |
| <b>Weight:</b> 4.3 lb (1.95 kg)                                                                                                                   |
| <b>Height:</b> 27 in (69 cm)                                                                                                                      |
| <b>Diameter of Hammer:</b> 1.75 in (4.45 cm)                                                                                                      |
| <b>Measurement Units:</b> Depth of travel (inches)                                                                                                |
| <b>Range:</b> 0.1 in - 1.5 in (2.54 mm - 38.1 mm)                                                                                                 |
| <b>Resolution:</b> 0.01 in at 1.00 in - 1.50 in (0.25 mm at 25.4 mm - 38.1 mm)<br>0.001 in at 1.100 in - 0.999 in (0.025 mm at 27.9 mm - 25.4 mm) |

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