

TORO**TURF GUARD® SOIL MONITORING SYSTEM****WATER
SMART®**

The Toro® Turf Guard Wireless Soil Monitoring system is a revolutionary technology that lets you know what's going on beneath the surface of your turf, so you can make timely, more-informed adjustments.

**SPECIFICATIONS****Electrical**

- Input Power:
 - Repeater: <math>< .02A @ 6 VDC</math>
 - Base Station: <math>< .1A @ 120 VAC, 50/60 Hz</math>

Temperature

- Operating: 32°F to 140°F
- Storage: -22°F to 180°F

Dimensions

- Body: 2" x 3⁵/₈" x 6¹/₈"
- Spikes: 1³/₄" x 3³/₁₆"
- Installation Hole Diameter: 4¹/₄"

Communication

- Repeater Range: Up to 2,000' line-of-sight
- Buried Sensor Range: Up to 500' line-of-sight
- 900 MHz ISM Band FHSS Communication
- Additional licensing not required

Warranty

- Comes with one year of NSN support (extended support plans available)

FEATURES & BENEFITS**Wireless Communication**

Turf Guard's advance wireless MESH network technology makes for an easy installation with no trenching required.

Monitor Moisture Levels in the Soil

Reduce water usage and improve playability without risking turf quality. Promote root growth by avoiding over watering and detect dry areas before it impacts the turf's health.

Track Salt Build-up And Schedule Flushing

Take the guesswork out of monitoring and managing salinity levels. Know when and how much water to flush with.

Review Daily Soil Temperatures

Predict peak soil temperatures early in the day to start remediation activities before an emergency. Schedule fungicide applications and pesticides for optimal effectiveness.

Additional Features

- ✓ Comes with free SiteVision™ software for viewing data
- ✓ Advanced MESH routing technology overcomes obstacles
- ✓ Durable sensor housing is resistant to aeration damage
- ✓ Supports up to 500 sensors per system
- ✓ Expected sensor battery life of three years, field replaceable
- ✓ Sensor reading sent every five minutes
- ✓ Measures two distinct depths in the soil profile
- ✓ Automatic network configuration and failure recovery
- ✓ Graphical system overview displays sensor data at-a-glance
- ✓ Plots trends and compares historical and current readings
- ✓ Move quickly from system-wide averages to individual sensor readings

Specifying Information—Turf Guard

Model	Description
TG-S2-R	Turf Guard Sensor with Replaceable Battery
TG-R-INT	Repeater-Internal Mount
TG-R-EXT	Repeater-External Mount
TG-B	Base Station
TG-S2-BAT	Battery Kit