

Playable meets sustainable.



The Integrated Sensor System™ is the latest innovation to build on The Intelligent Use of Water™ legacy. Thanks to absolute soil sensing and dynamic central control integration, the ISS can dramatically reduce water use. But water isn't the only thing you can conserve. Through unparalleled accuracy and seamless true central control integration, you'll save valuable time, labor and other inputs. By monitoring soil conditions, you'll also deliver superior playing surfaces through improved turf health.

Watch the Rain Bird® ISS flash demo at
www.rainbird.com/ISS



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The Rain Bird® Integrated Sensor System™
Getting a better read on your course. That's intelligent.



Only the Rain Bird® Integrated Sensor System™ (ISS) gives you absolute control over your turf.



Every golf course is its own complex ecosystem. To provide a consistent, playable environment, you need an accurate understanding of turf health. The Rain Bird® Integrated Sensor System™ offers a snapshot of soil conditions to help you to understand what is happening below ground. It is also the only system in the industry to deliver easy-to-install absolute soil sensing and full integration with the central control system. As a result, you'll save more time, water and money with Rain Bird.



Maximum accuracy. Zero calibration.

The ISS advantage starts at the root zone, where highly accurate sensors take real-time readings of your soil moisture, salinity and temperature. Rain Bird uses "absolute" soil sensors that are easy-to-install and require no calibration. They provide accurate readings immediately following installation. By comparison, competitors use "relative" sensors that require extensive calibration to improve the accuracy of the sensor readings. With the Rain Bird® ISS, the sampling frequency of soil sensing measurements can be adjusted to match your needs and course requirements.

Dynamic integration. Fully automatic.

When paired with a Rain Bird central control system, the ISS is the only soil sensor system in the industry to offer the option of real-time automation of your sprinkler run times. For instance, the ISS can automatically cancel irrigation if soil moisture is above desired levels or adjust sprinkler run times to match soil moisture levels. In addition, the system can automatically generate alerts when temperature, moisture or salinity levels vary from desired ranges.

ISR-2400 Wireless Repeater: Strategically place multiple repeaters around your course to create a wireless mesh network. Ideal for long distances or undulating terrain, battery-powered ISR-2400 repeaters deliver a crisp, crystal-clear signal between the data loggers and gateway. If transmission through one repeater is blocked, the network can automatically route data through an alternate repeater, ensuring a reliable signal.



ISDL-2400 Wireless Data Logger: The data logger receives soil data from the sensors and sends it through the wireless network to the central control. Easy-to-locate in low-visibility locations, one battery-powered data logger can communicate with 18 sensors. The data logger safeguards critical soil information during power outages or loss of communication, so no historical information is lost. Soil conditions, battery status and radio signal strength can be easily read right at the data logger on a large LCD display. This allows you to monitor soil conditions in the field, without returning to your computer. In most cases, batteries last at least one year before replacement.

TSM-3 Soil Sensor: Rain Bird® ISS offers an easy-to-install absolute sensor that provides accurate soil readings without calibration. Install anywhere on the course to obtain a complete picture of your soil conditions. Rain Bird uses a high-quality research-grade commercial sensor that has been prominently featured in numerous publications.

ISG-2400 Gateway: Located at the computer, the gateway is the link between data loggers and repeaters in the field and the Soil Manager™ software. Using a robust 2.4GHz spread spectrum frequency, the wireless ISS network is quick and reliable.

ISS Soil Manager: From the convenience of your computer, receive accurate, real-time information on soil conditions with Rain Bird's state-of-the-art Soil Manager software. Used as a standalone system or fully integrated with a Rain Bird central control, Soil Manager brings sensing to life with dashboard views for at-a-glance course updates or more detailed graphs and tables for easy review and planning. Soil Manager enables optimal management of soil conditions and improved timing of water, fertilizer and other inputs, while also minimizing applications.

