ENGINEERED COMPOST SYSTEMS

Customer Driven Solutions

RF TeleProbe™

Wireless Temperature Transmitting Technology

The RF Teleprobe is our most sophisticated and reliable Wireless Temperature Technology to date. It is the result of recent design improvements based on NINE YEARS of experience applying wireless temperature monitoring systems to the environmental and operational challenges of large compost facilities. The system is designed for ASP (out-doors or in-doors) and windrow applications; and provides both real-time control feedback and data recording.

The RF TeleProbe has low operational costs with prolonged battery life. And in the case of power loss, it recovers quickly and does not loose any data. It is a simple technology that doesn't require "mapping" and "sleep cycle coordination" with a base controller. You simply turn it on and it runs. In addition, the RF TeleProbe is the only technology that transmits data frequently enough for operating automated aeration system controls.

Standard Features

- Proven Design—robust, double-sealed, impact resistant construction;
- Probe Shaft, Tip & Handle are heavy walled stainless steel;
- Integrates easily into a wide variety of control technologies, or can be used for stand-alone monitoring;
- Push-Button Light provides on-the-spot testing, programming, and verification feedback;
- Single or Dual sensors per probe; and,
- Minimum accuracy range is ±0.3°C with 0.1°C resolution.

Technical Features

• Radio Type	902-918Mhz Frequency Hopping Spread Spectrum
• Indoor Range	TeleProbe to Repeater or Master: 300 ft (min), 600 ft (average)
• Outdoor Range	TeleProbe to Repeater or Master: 1,200 ft (min), 3,300 ft (average)
• Probe Battery Life	Minimum 3 years
• Data Transmitted	Top and bottom temperatures, battery voltage
• Data Transmission	Data sent once every 3 minutes without degrading battery life
• Network Recovery	5 seconds after re-boot or power-up
• Electronic Enclosure	NEMA 4X, double-sealed electronics
• Temperature Range	-40° to 85°C Probes and battery; -20 RF Master (Control Node)

Facility Design—In-Vessel—ASP—Automated Controls—Client Support
(206) 634-2625—www.compostsystems.com