

Patrick Rafter/Sensicast Systems, Inc.
prafter@sensicast.com 617.901.2697 m

Sensicast Announces Intrinsically-Safe Thermocouple Smart Sensor

*New Robust Wireless Sensor Delivers Accurate
Measurement from Hazardous Environments*

Houston, TX and Needham, MA: October 17, 2006 - Today at the **ISA Expo 2006** (Booth #2267), Sensicast Systems (www.sensicast.com), leading worldwide provider of wireless sensor networks for industrial automation and monitoring enhancement, announced the SensiNet® TECO-1021 Thermocouple Smart Sensor. Ideal for harsh environments, the TECO-1021 is an intrinsically-safe wireless temperature monitoring device designed for Class 1 Div II hazardous locations.

A wide variety of thermocouples can interface with the Thermocouple Smart Sensor allowing its use in a broad range of applications. The devices operate at 2.4GHz, and are FCC and CE approved. They report highly accurate ($<\pm.05\%$) and repeatable real-time temperature measurements to a central management application.

The TECO-1021 operates as a component of Sensicast SensiNet--a self-configuring, self-healing, battery-operated Wireless Sensor Network. The TECO-1021 integrates transparently with the new **SensiNet Services Gateway**--a fully self-contained network appliance with embedded connectivity and data-reporting functionality that manages the SensiNet network and integrates it with legacy systems (e.g. ICONICS, Intellution, Wonderware); built-in Web 2.0 data visualization applications; and industry-standard communications protocols (SOAP, OPC, ODBC, XML).

The device is simple to install and delivers extended hands-free operation in environments where wired sensing is either impossible or impractical; in hazardous locations (refineries, oil and gas plants; steel and aluminum mills); as well as in food production and pharmaceutical manufacturing facilities.

Select Features and Specifications (Full specs at <http://www.sensicast.com/datasheets.php>)

- Supports wide range of thermocouple types (K,T,R,S,E,J,B,C,N)
- Monitors temperatures ranging from (-148 °F) to +3000 °F
- NEMA-4X rated housings and optional moisture resistant enclosures
- Battery-operated and totally wireless no data or power wiring is required; long MTBF (battery life up to 2 years with two-minute reporting intervals)
- Advanced radio design provides reliable connectivity in harsh RF environments

"Customers see significant improvements in efficiency, process control, environmental monitoring and safety after deploying SensiNet systems," said Andrew Netburn, VP of Worldwide Sales, Sensicast.

"Through solutions built for hazardous environments--Sensicast can extend its leadership in providing Smart Sensor solutions for new applications and new industries that have previously not enjoyed the benefits of wireless sensor networking."

About Sensicast

Sensicast provides comprehensive Wireless Sensor Networks that help operating managers dramatically reduce costs & improve efficiency. Sensicast's robust and easy-to-deploy SensiNet systems continuously report real-time operations data from applications, processes, and facility conditions. SensiNet is a patented, self-installing, self-healing "Zero-IT" solution that captures critical data through Smart Sensors and makes the information available and actionable through internal and Web-based access. Sensicast's Pervasive Sensing™ solutions address the needs of a wide range of industrial and commercial enterprises” including remote monitoring of temperature, energy use, moisture/humidity, and other data types; while also facilitating predictive maintenance and governmental/environmental compliance. For more information visit www.sensicast.com

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