

EXERGEN GLOBAL ANNOUNCES IR SENSOR ACCURACY OF 0.1 DEGREE C WITH NEW AUTOSMART TRANSMITTER IRT/C SENSOR LINE

WATERTOWN, Mass., ZIJTAART, the Netherlands — Exergen Global today announced its AutoSmart Transmitter, the first transmitter in the world capable of fully calibrating Exergen IRt/c sensors to provide unprecedented accuracy of 0.1 °F or 0.1 °C by custom calibration over a very specific range. The AutoSmart Transmitter not only delivers accuracy that is 10 times better than standards on infrared sensors with the same output, it also provides repeatability of $\pm 0.01\%$ °C. Before the introduction of AutoSmart Transmitters, sensors only offered accuracy within 1 °F or 1 °C, yet manufacturers today need much greater measurement precision to deliver the processing speeds and quality output required to remain competitive.

“Precise and accurate temperature measurement is a competitive necessity in all markets and in some, such as healthcare, it can represent the difference between life and death,” said Bram Stelt, CEO of Exergen Global. “Customers worldwide have come to expect increased speeds from manufacturing processes, and now that speed is so essential, it is more important than ever that temperatures be controlled to the nth degree. The AutoSmart Transmitter ensures that the thermal sensors employed in all industries can deliver BOTH the speed and accuracy required to meet customers’ needs and expectations.”

OEMs, System Integrators and others can automatically calibrate AutoSmart Transmitter sensors themselves, so calibration can take place at the manufacturing site and take into account environmental factors, such as ambient temperature. Those calibrating the sensor themselves with the AutoSmart Transmitter can choose from two global-standard current outputs: 4 ... 20 mA, 0 ... 20 mA, or four global-standard current outputs: 0 ... 10 V, 0 ... 5 V, 0 ... 2.5 V, and 0 ... 1 V. After the automatic calibration of the IRt/c sensor on the digital side, the analog outputs can also be calibrated using data acquisition software. AutoSmart Transmitter sensors can be calibrated automatically by OEMs using a USB connector, software and a heat source.

Exergen’s IRt/c product line includes:

- **Precalibrated IRt/cs:** The world’s only self-powered infrared thermocouple. Best for low temperatures (< 500 °F) and non-metal or coated metal surfaces.
- **Adjustable IRt/cs:** A self-powered, infrared thermocouple that is field calibrated. High temperatures (up to 5000 °F) and metal surfaces can be measured. Special optics available for small spots and far distances (up to 100:1).

About Exergen Corporation and Exergen Global

Exergen Corporation, the global leader in industrial and medical non-invasive temperature technology, provides non-invasive temperature measurement devices providing lower cost, higher accuracy, less invasiveness, and greater reliability than ever previously possible. Exergen is well known for its award-

winning temporal artery thermometer in the healthcare and consumer market. The company was founded by Harvard-research scientist Dr. Francesco Pompei who holds over 70 patents. Exergen Corporation is based in Watertown, Massachusetts, U.S. Exergen Global is the worldwide solutions provider of Exergen Corporation's industrial non- contact infrared temperature sensor solutions.

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PB-2020-01-EN-V0