

EXERGEN'S EXTREME SENSOR DELIVERS ACCURATE TEMPERATURE MEASUREMENT IN SEVERE TEMPERATURE, WEATHER, AND OTHER ENVIRONMENTAL CONDITIONS

Extreme Sensor Maintains Unmatched Accuracy at Temperatures Ranging from -45,5 to 648,8°C (-50 to 1200°F)

WATERTOWN, Mass., and ZIJTAART, the Netherlands, December 8, 2015 - Exergen Global, an award winning thermal solutions provider, announced today general availability of its Extreme IRt/c, a non-contact temperature sensor, a device that withstands extreme vibrations and other environmental changes while maintaining unmatched reliability and accuracy. The Extreme IRt/c features a custom-designed ultra-rugged housing that protects the sensor from extreme vibrations, shifts in pressure and other acute ambient changes.

The sensor was originally developed for a defense contractor whose client needed to measure the temperature of equipment mounted on the exterior of military aircrafts to ensure uninterrupted availability. If left unchecked, the mechanisms could become hot enough under normal operating conditions to sustain damage. During tests, Exergen found that its standard IRt/c sensors, while offering the industry's highest reliability under most conditions, were drifting due to the extreme vibration changes that occur during flight. Exergen's engineers worked closely with the defense contractor to create a customized mechanical design that heatsinked the body of the sensor, protecting it from vibrations and extreme temperature changes.

"The Extreme IRt/c is an outstanding example of the way in which Exergen employs its Sensoranics™ methodology to develop unique temperature sensor solutions," said Bart van Liempd, CEO of Exergen Global. "We leveraged our extensive knowledge of mechanics, coupled with our in-depth understanding of thermal management, to provide a sensor that delivers reliable, accurate temperature readings in all sorts of extremes: cold, heat, pressure and even weather, such as hail or rain."

In addition to its use in defense applications, the Extreme IRt/c is also ideally suited for use in applications such as semiconductor manufacturing, in which air pressure, temperature and other ambient conditions undergo dramatic shifts. The self-powered Extreme IRt/c has a temperature sensing range of -45 to 650°C (-50 to 1200°F), is hermetically sealed in a stainless steel housing, and delivers accuracy of 1% to factory calibration conditions. The drift-free sensor provides resolution of as much as 0,00018°C (0.0003°F) (Johnson Noise), instantaneously updates and has response time of 100 milliseconds.

About Exergen and Exergen Global (now known as CleverIR):

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 and the recipient of the 2015 Global Frost & Sullivan Entrepreneurial Company of the Year Award (<http://bit.ly/2pYfsy4>).

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