

EXERGEN DX501 THERMAL SCANNER HELPS ONE2BORN HATCH HEALTHIER CHICKS MORE COST-EFFECTIVELY

Exergen Scanner Measures Egg Temperature to Ensure Optimal Embryo Temperature and Conditions for Chicks to Hatch

WATERTOWN, Mass. and ZIJTAART the Netherlands, June 28, 2017 - Exergen Global, an award-winning thermal solutions provider, announced that One2Born, creators of the innovative “hatchholder”, is using Exergen’s DX501 handheld thermal scanner to ensure that fertilized chick eggs can hatch safely and naturally in their houses. The solution allows chicks to get off to a better start, with early access to feed and water, helping to increase their weight gain and hatchability and moreover decreases stress of the chicks, overall costs, mortality, feed conversion, and use of antibiotics.

The One2Born hatchholder is a biodegradable container that allows hatcheries to safely package and transport 18-day-old fertilized eggs to their eventual living environment. Exergen’s handheld thermal scanners are used as a tool to measure the temperature of the fertilized eggs once they are in the living environment to determine when the chicks will hatch. Using this system, upon hatching the chicks have immediate access to food and water. The entire process is less stressful, reduces transportation costs, and eliminates cross-contamination during the chick’s stay at the hatchery or during transportation. It also results in more robust, better developed chicks with a higher level of resistance to disease and a decrease in overall health problems.

“Exergen’s DX501 thermal scanner provides the accuracy our producers need to determine exactly when chick eggs will hatch, and its handheld form factor, small size and measurement speed is ideally suited to measuring the eggs, which are between 50 and 70 grams,” said Rinke Donkers, One2Born. “The One2Born hatchholder and the DX501 scanner together deliver positive results for all parties in the production chain, and, as a result the sustainability of the poultry sector as a whole is increased.”

“We are delighted to be working with One2Born to provide an animal friendly solution that helps producers improve hatchability and reduce energy consumption,” said Bart van Liempd, CEO, Exergen Global. “The use of Exergen’s DX501 scanner in agriculture is just another example of the versatility and reliability of Exergen’s thermal management solutions.”

About the Exergen DX-Series Scanners

Exergen’s DX-Series family of handheld certified infrared scanners, which includes the DX501 and DX501 RS, are designed to deliver the industry’s best possible temperature measurement accuracy. The scanners are infrared instruments that can be certified with NIST-traceable accuracy on real surfaces of unknown emissivity, and are completely free of the contact, friction heating, time-based and heat syncing errors common in contact devices.

The DX-Series non-contact scanners measure surface temperature in a fraction of a second, while contact probes (thermocouples, RTD’s, thermistors, etc.) require several minutes to achieve equilibrium. The DX-Series is free of any emissivity errors, emissivity shift errors or background reflection errors. The devices do not require any calibration or user adjustments, and have an interchangeability rate of $\pm 1\%$, resolution of 0.1°C and unmatched repeatability of 0.1°C .

About One2Born

One2Born is an innovative hatchholder that allows 18-day old, fertilized eggs to be transported from the hatchery to the stable, so that the natural birth of the chicks can take place in the poultry house. One2Born strives towards effective food production for consumers in a more animal friendly and responsible way. The hatchholder has a positive effect on all links in the poultry food chain. Whether it's the hatchery, the farmer, the slaughterhouse or the retail organization; One2Born is easy to implement and is beneficial for all parties.

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, an HP Strategic Partner for 2017, 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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