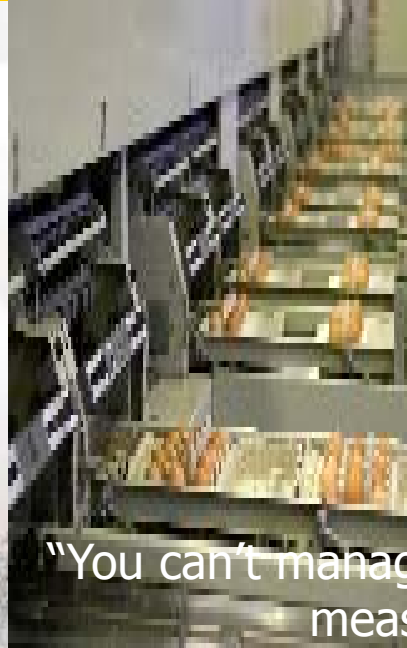




Global leader in active wireless technology

"The Crackless Egg is simple to use, gives quick results and has saved us 2% on checks. It paid for itself in a week."

Mark Stratford - HACCP Coordinator - Hickman's Egg Ranch, AZ



"You can't manage what you can't measure"

LAYER HOUSES

GRADING FACILITIES

HATCHERIES

PRODUCT

The Crackless Egg, an Active Wireless Sensor (AWS) technology, is a real-time sensor for monitoring impact/vibration and temperature on production lines. The goal is to help producers improve their Checks with an emphasis towards 'predict and prevent' as opposed to 'fail and fix'. The Crackless Egg is the tool to accomplish this task.

The Crackless Egg is designed around real eggs so that your data is as realistic as possible, allowing you the ability to see what your eggs are truly experiencing. Equipped with impact/vibration and temperature sensors you can tell exactly what is happening in real time.



FEATURES

The key feature of the Active Wireless Sensor technology is the real time data; seeing the checks as they happen. With the temperature egg you can trace all temperatures throughout your process and see the most minute fluctuations. The data from the sensor is transferred instantly to a handheld PDA for a true REAL-TIME view. The information can then be transferred to your PC for more in-depth analysis.

The Crackless Egg sensor can be exposed to the same conditions or environment as real eggs. We provide you a realistic representation of what a typical product or container experiences inline, grading, packaging and storage environments. There is no need to impact production at any time as all tests can be done with no downtime or interruption necessary.

"The benefits of the Crackless egg have surpassed any expectations we may have had. We can pinpoint exactly where improvements can be made. I can't imagine anyone not having this tool to increase their revenue."

Paul Sauder - Owner - Sauder's Eggs, PA

Hundreds of global laying, grading, breeding and manufacturing companies benefit from Crackless Egg as part of a continuous improvement plan

CRACK THE BENEFITS

The immediate benefits of the diagnostic applications are:

- Reduce check rates by upwards of 10% immediately
- Quickly pinpoint where problems are happening within the line
- Improve Jumbo production with less checks
- Improve line and personnel efficiency
- Increase output and uptime
- Increase line set up and calibration efficiency
- Improve the operational performance of older equipment
- Preventative Maintenance
- Open source data exchange
- Continuous Improvements

CHECK THE RETURN

Our customers have reported returns on investment such as:

- 100% return on investment within 7 days of purchase
- Reduced labor involved in troubleshooting by 75%
- Immediate benefit of real time data pinpointing issues



TECHNICAL SPECIFICATIONS

Data Recording

- Accelerometer Sample Rate — 5kHz
- Storage Location — Palm Handheld
- Storage — 36MB up to 100 files
- Storage Rate — 10 samples on each channel per second

Power Requirements

- Battery — One (1) 2/3 A Lithium
- Battery Life — 15 hours operation

Operating Conditions

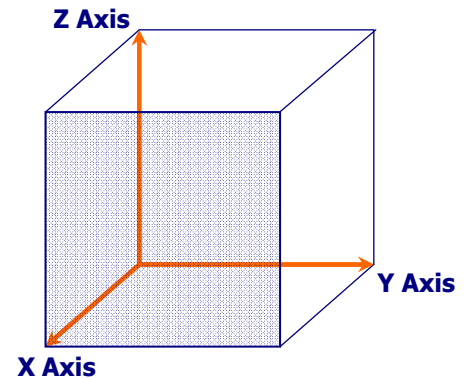
- Temperature Range — +85°C to minus 20°C (+185°F to -4°F)
- Humidity Range — 0 to 90%RH
- 10 to 50 feet signal transmission dependant upon environment

Impact Detection Characteristics

- Sensing Unit — 3 single-axis accelerometers
- Frequency Response — DC to 5kHz
- Digitization — 8-bit analog-to-digital converter
- Impact Range — 0 to +/- 200g
- Wireless Communications — 900MHz ISM Band

IMPACT MEASUREMENT

Our sensor technology provides you with



a 360-degree impact analysis measuring each of the X-Y-Z axes. We provide you with a vector sum of combined impacts on real product and desktop software provides you the ability to export data and do further statistical analysis.

COMPANY OVERVIEW

Sensor Wireless Inc. provides Active Wireless Technology for the Food, Beverage and Manufacturing industries. Our diagnostic sensors are available for monitoring impacts, temperatures, humidity and other quality reducing factors within the supply chain. Data is provided to you in real time allowing immediate corrective action to take place, helping reduce downtime and improve quality.

For UK inquiries please contact Ace Industrial Suppliers Ltd at qa@aceindustrial.co.uk.

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