



**SMARTegg™**  
www.SMARTegg.info

# Helping to indicate egg damage from the egg cage floor to the grocery store...

The TSS SMARTegg has been developed as the 21st century's replacement for the QCE Electronic Egg of which more than 1,000 are now in use worldwide.

The SMARTegg is the result of customer feed-back from around the world and TSS's in-house development knowledge.

The advantages of the SMARTegg is that it times, measures, feels, quantifies, remembers and talks.

Yes, for the first time, all this is included within a true egg size and weight – a truly remarkable feat of electronic technology.

#### How does it work?

Basically, the SMARTegg is placed in transit and from this point it will measure shock, pressure and temperature for a period of over 21 days.

These measurements are made on a timed basis so that each shock, pressure and temperature reading can be analyzed, thereby enabling an exact picture to be created throughout the transit period.

In addition, the precise reading of shock, pressure and/or temperature are provided. This means that the user has real smart information readily available on which to make management decisions.

#### How is information obtained?

Supplied with the SMARTegg is software running on the Windows operating system. It allows the user to access data from the SMARTegg on a timed basis, pinpointing areas in transit from information supplied by the user about distances, speed and changeover points.

Additionally, the program can be used in conjunction with a vehicle management systems to pinpoint adverse journey conditions.

#### How is the SMARTegg set up?

A positive advancement with the SMARTegg is that with in-built calibration, it only has to be placed in the calibration unit for impact and the load released from three points so the auto calibration system is activated. Similarly, for temperature, the egg has only to be placed in boiling water for the calibration process to be completed.



#### What keeps the SMARTegg running?

The SMARTegg is fitted with a rechargeable battery which take approximately 14 hours to charge from new. The battery has an operating life of over 21 days and a usable life of over 5 years.

#### How does the SMARTegg communicate?

The SMARTegg is recharged and communicates from being placed in its own charger holder (as the egg can only be fitted one way, no accidental wrong connection is possible).

#### When the SMARTegg contributes to the bottom line

It is a well-documented fact that damaged eggs cost the egg industry many thousands of dollars each year. With today's efficient layer producing upwards of 300 eggs in 52 weeks, a reduction of only 1 per cent in the number of seconds produced on a 10,000-bird unit is equivalent to an extra 83 360-egg cases a year – the worth of which is more than the cost of the SMARTegg.

Temperature savings are more difficult to calculate but more and more retailers are demanding that eggs reach them with minimum Haugh Unit freshness levels. By calculating time and temperature, actual weight loss is calculated by the SMARTegg software.

#### Purchasing the SMARTegg

In many countries TSS has authorized distributors who stock the SMARTegg. Where there are no distributors, the SMARTegg can be purchased direct from TSS.

#### Warranty

The SMARTegg is covered by a two-year return-to-base warranty. From the date of invoice, TSS will repair or replace any sub-standard SMARTegg, provided it is returned freight prepaid.

Telephone and online assistance ensures that technical support is provided promptly and efficiently.



T E C H N I C A L  
S E R V I C E S a n d  
S U P P L I E S

C H E S S I N G H A M P A R K  
D U N N I N G T O N · Y O R K  
Y O 1 9 5 S E · E N G L A N D

T: +44 (0)1904 488588  
F: +44 (0)1904 488728

sales@tss-york.com  
www.EggQuality.com

**EggQuality.com**