

eCube® is a temperature mimicking sensor (TMS)* tested under Protocol P235 by NSF International. It is designed for placement into refrigeration containing dairy, meat, ready meals & other food products meant to be maintained at or below 41°F. eCube® is designed to accurately reflect the temperature of food under refrigeration conditions, and warm more quickly than food products upon equipment failure.¹

*A TMS is a separate, non invasive device consisting of a food simulant material with a thermocouple or thermister attached.

NSF International's mission is to, "protect you by certifying products & writing standards for food, water & consumer goods. As an independent, not for profit organization, NSF International's ongoing public health commitment is to encourage everyone to live safer."²

Under the performance requirements of Protocol P235, eCube® has passed the following tests³:

- The temperature indicated by eCube® is between +2°F of the refrigerated food products 15mm below their surface during the normal refrigeration operations test. The purpose of the test is to insure that eCube® accurately mimics the food product temperatures.
- The temperature indicated by eCube® is no more than -2°F lower & no more than +5°F higher than the refrigerated food products during the warm up test, which imitates a refrigeration failure. The purpose of the test is for eCube® to indicate a higher temperature than the food products to provide advanced warning and allow users to take remedial actions.



NSF Protocol P235
Temperature Mimicking Sensors
Temperature mimicking sensors are not intended to monitor the air temperature of the refrigerated location in which they are being used.

- eCube® carries this NSF logo for Protocol P235

Under Protocol P235, eCube® is also required to adhere to standards ANSI/NSF 51 for Food Equipment Materials Requirements & ANSI/NSF 2 for Food Equipment Requirements for Design & Construction. Both of these standards insure that the eCube®'s design is easily cleanable & the materials used are not harmful when operated in the refrigeration environment.

For more information or questions about

Protocol P-235 please contact :

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1. Excerpt from NSF International Protocol P235 www.nsf.org

2. NSF International website www.nsf.org 3. Excerpt from NSF International Protocol P235 www.nsf.org