

[TT SENSOR PLUS/AVERY DENNISON]

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| TITLE | Monitoring supply chain conditions via Avery Dennison's TT Sensor Plus |
| COMPANY / ORGANIZATION |  |
| KEYWORDS | Sensor, temperature, data logging, NFC, monitoring |
| INDUSTRY AREA(S) AFFECTED | Supply-chain monitoring Finished goods transportation |
| ISSUE ADDRESSED | Pharmaceuticals, food, and floral products can be compromised due to their temperature-sensitivity, affecting both producers and purchasers/users. Therefore, they have a vested interest in ensuring that the condition of their products remain optimal and consistent by identifying temperature concerns and any supply chain issues that may lead to compromised products. |
| SOLUTION | <p>The TT Sensor Plus is a data logger released by Avery Dennison. It allows brand owners to track and collect temperature information on their goods during shipping to ensure the condition of their products has not been affected. The sensor records temperature data at regular intervals and stores the information in an integrated NFC chip, which can be accessed at any point during shipping by scanning the label with an NFC-enabled smartphone or a tablet that has been loaded with the accompanying app.</p> <p>The TT Sensor Plus label that contains the sensor and NFC chip is roughly the size of a credit-card, and can be placed or fixed to the inside or outside of a shipping package, providing data on temperatures both within the packaging as well as exterior supply chain environments such as trailers and distribution centres.</p>  |
| EXPECTED BENEFITS | <p>Ensuring product consistency and consumer safety: The TT Sensor Plus is intended for use with pharmaceuticals, food and beverages, chemicals, and polymers. As temperatures can affect the safety and quality of these products, Avery Dennison's Sensor attempts to address the issue by providing producers and purchasers with an efficient and easy way to monitor temperature ranges within the product's packaging and supply chain environments, thus controlling/limiting the possibility of product compromise.</p> <p>As well, the TT Sensor Plus offers significant advantages over commonly-used device-style data loggers that are often bulky and difficult to use.</p> |
| CASE LINK | <p>AIPIA, <i>New 'Simpler' Temperature Data Logger</i> http://www.aipia.info/news-New-Simpler-Temperature-Data-Logger-625.php</p> <p>Avery Dennison, <i>TT Sensor Plus</i> http://label.averydennison.com/en/home/lpm-products/key-label-innovations/TT-sensor-plus.html</p> |
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