SMARTRAC's Temperature Logger NFC is a battery-powered label system for accurately logging temperature data in supply-chain applications. By measuring and recording temperature readings during the transport of temperature-sensitive items, Temperature Logger NFC helps customers make informed decisions about shipment quality, inventory and logistics.

SMARTRAC's Temperature Logger NFC incorporates sensor functionality, temperature data-logging capabilities and an integrated NFC inlay in a cost-efficient, disposable label solution. When affixed to a product or container, the thin, flexible label can be programmed to record the temperature history of goods at user-defined intervals during shipment. Once a shipment reaches its destination, the label's temperature data can be downloaded and reviewed from an NFC-enabled device with the easy-to-use Temperature Logger NFC Android app. Each label stores up to 841 data measurements.

Temperature Logger NFC is engineered to perform in different supply-chain environments and accurately detects and records temperature changes. Moreover, it provides trip-level temperature visibility with easily accessible data for consumer and last-mile deliveries.

The label is designed in a standard size of 85.6 x 54 mm and is equipped with an embedded temperature sensor, NFC inlay, real-time clock and data store. There are different label options available upon request with a choice of adhesives and face materials, to which customized graphics or logos may be applied.

TEMPERATURE LOGGER NFC
Battery-powered Label for Accurate Temperature Monitoring

Overview
Operating Frequency
13.56 MHz
Integrated Circuit (IC)
AMS AS39513
Label size:
85.6 mm x 54 mm
(3.37 x 2.13 in)
Antenna size:
72.5 x 38.5 mm
(2.85 x 1.52 in)
International Standards
- ISO15693 and NFC-V (T5T) compliant
Application Areas
- Food & beverage
- Healthcare
- Industry for chemicals & polymers
- Other temperature-sensitive goods
**TEMPERATURE LOGGER NFC**

Battery-powered Label for Accurate Temperature Monitoring

## Technical Features

<table>
<thead>
<tr>
<th>IC + Memory</th>
<th>Size</th>
<th>Format</th>
<th>Sales Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMS AS39513 9k bit EEPROM</td>
<td>85.6 mm x 54 mm / 3.37 x 2.13 in</td>
<td>Label</td>
<td>3500191</td>
</tr>
</tbody>
</table>

- **Operating Temperature**: -20°C to 50°C / -4°F to +122 °F; Shelf Life Time: > 1 year
- **Product Temperature Integrity**: +/- 0.5 deg C @ -10 to +20°C typical, +/- 1.5 deg C @ -20 to -10°C and +20 to +50°C
- **Stores up to 841 data measurements**
- **Configurable temperature alarming parameters**

<table>
<thead>
<tr>
<th>Sustainability</th>
<th>Wireless Communication Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery &amp; inlay technology is RoHS certified, REACH compliant EU Battery Directive compliant</td>
<td>Near Field Communication (NFC), Operating Frequency: 13.56 MHz NFC-enabled Android smartphones and tablets</td>
</tr>
</tbody>
</table>

| Minimum Order Quantity | 200pcs / box |

## Temperature Logger NFC App

1. Download the "Temperature Logger NFC" app from Google Play store and launch the app.

2. User-configurable tag control
   - Turn logger on/off
   - Set high- and low-temperature thresholds
   - Select temperature recording interval
   - Optional acclimation time setting

3. Data reporting
   - View temperature data in chart or graphical format
   - Easily export data into Microsoft Excel

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