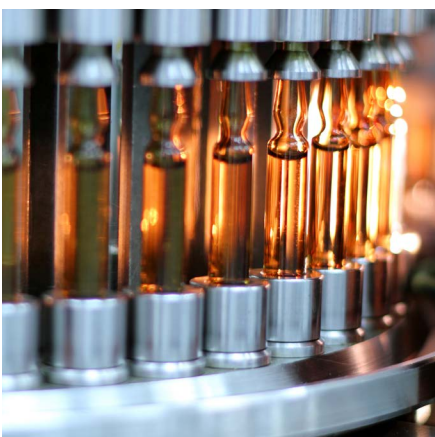# Timestrip Complete TC489 Temperature Indicators

- **Thin, small, durable, smart and cost-effective**

- **Quick implementation**

- **Robust construction (IP54)**

- **Clear irreversible alarm indication**

- **Stable monitoring along the entire supply chain**

- **LEDs provide simple and immediate temperature breach notification**

- **No special training required**

- **NFC capability with compatible smart phones**
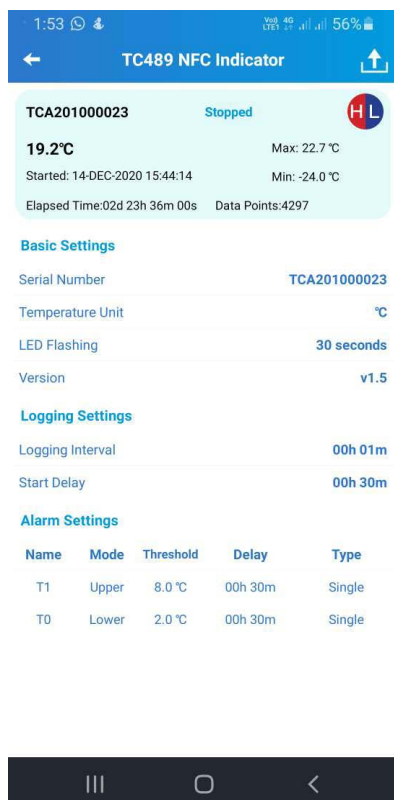
- **PDF or Excel Reporting**

The Electronic TC489 Timestrip Complete is a Temperature Indicator for the range 2°C to 8°C (36°F to 46°F). It uses a set of three LEDs to provide a clear, non-reversible indication of upper and lower temperature breaches as well as normal operation. It contains NFC technology so users can scan with their smartphone for more information.

TC489 can be read with an NFC enabled smartphone via Timestrip Android app. You can export data from the app to PDF or Excel for evidence of temperature breaches.
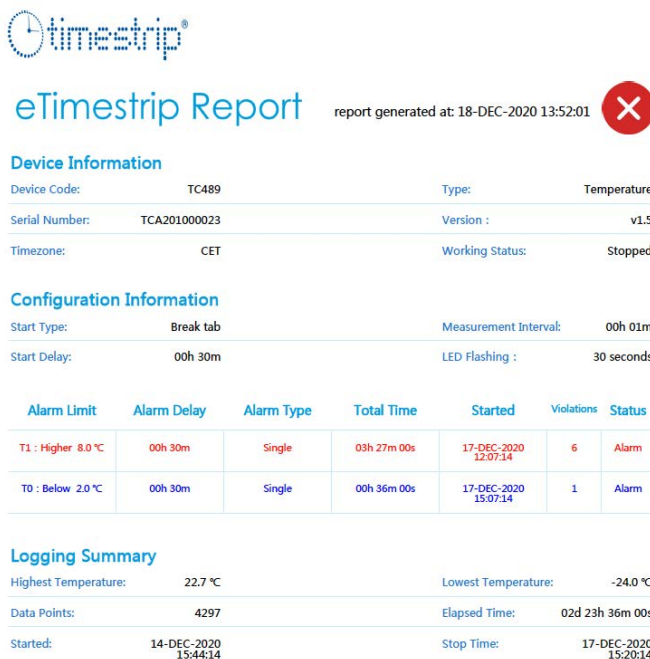
Moreover, single use TC489 can be read simply viewing the flashing LED lights. The status light blinks every 30 seconds. This means everyone along the cold chain can check the status of the shipment, without any special training or equipment.

TC489 NFC Indicator

TCA201000023	Stopped
19.2°C	Max: 22.7 °C
Started: 14-DEC-2020 15:44:14	Min: -24.0 °C
Elapsed Time:02d 23h 36m 00s	Data Points:4297

Basic Settings

Serial Number	TCA201000023
Temperature Unit	°C
LED Flashing	30 seconds
Version	v1.5

Logging Settings

Logging Interval	00h 01m
Start Delay	00h 30m

Alarm Settings

Name	Mode	Threshold	Delay	Type
T1	Upper	8.0 °C	00h 30m	Single
T0	Lower	2.0 °C	00h 30m	Single

Android App
shows breach conditions that occurred
during the cold chain journey

eTimestrip Report

report generated at: 18-DEC-2020 13:52:01

Device Information

Device Code:	TC489	Type:	Temperature
Serial Number:	TCA201000023	Version :	v1.5
Timezone:	CET	Working Status:	Stopped

Configuration Information

Start Type:	Break tab	Measurement Interval:	00h 01m
Start Delay:	00h 30m	LED Flashing :	30 seconds

Alarm Limit	Alarm Delay	Alarm Type	Total Time	Started	Violations	Status
T1 : Higher 8.0 °C	00h 30m	Single	03h 27m 00s	17-DEC-2020 12:07:14	6	Alarm
T0 : Below 2.0 °C	00h 30m	Single	00h 36m 00s	17-DEC-2020 15:07:14	1	Alarm

Logging Summary

Highest Temperature:	22.7 °C	Lowest Temperature:	-24.0 °C
Data Points:	4297	Elapsed Time:	02d 23h 36m 00s
Started:	14-DEC-2020 15:44:14	Stop Time:	17-DEC-2020 15:20:14

PDF reports
via the Timestrip mobile Android app

Specifications

Type of Use	Single Use, disposable
Device Activation	Break square tab to activate, triangle tab to stop
Alarm Range	2°C-8°C
Operating Range	-30°C to +60°C
Measurement Accuracy	± 0.5 °C (-20°C~40°C), ± 1 °C (others)
Sampling Period	1 minute
Dimensions	34mm x 48mm x 4.5mm
LED indicators	Operation indication/no alarm (Green LED)
	High temperature alarm (Red LED)
	Low temperature alarm (Blue LED)
Service life	1 year (1 minute sampling interval)
Sensor	Built in NTC