

Product Specification

Electronic Timestrip Complete 2-8°C TC489



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.

The TC489 is part of the eTimestrip product range.

Benefits & Features

- NFC capabilities
- Clear irreversible alarm indication
- Cost effective solution to cold chain monitoring

Applications

For temperature monitoring during storage and transportation in:

- Vaccines
- Pharmaceuticals
- Blood
- Diagnostic kits
- Home delivery
- Food applications

Shipping & Handling

Size	34mm x 48mm x 4.5mm
Weight	6g
Case	Rigid plastic
Battery type	Button cell CR1620 lithium
Service life	1 year (1 minute sampling interval)
Protection grade	IP54

LED Notifications

Status	LED Indication
Start	Green LED flashes 5 times ●●●●●
Start delay	Green & red LED flash once every 30 seconds ● ●
Measuring without alarm	Green LED flashes once every 30 seconds ●
Temperature above 8°C for 30+ min	Red LED flashes once every 30 seconds ●
Temperature below 2°C for 30+ min	Blue LED flashes once every 30 seconds ●
Stop	Red LED flashes 5 times ●●●●●
Device failure	Button press without LED indication
Measurement read out	Button press with Green, Red or Blue LED flashes

Specification

Operating range	-30°C to 60°C
Alarm range	2°C-8°C
Temperature accuracy	± 0.5 °C (-20°C~40°C), ± 1 °C (others)
Sensor	Built in NTC
Type of use	Single use, disposable
Button	Single button design, query the status of temperature indicator
Device activation	Break square tab to activate, triangle tab to stop
Start up delay	30 minutes
Alarm delay	30 minutes
Sampling period	1 minute
Statistical information	Start time, start alarm time, maximum value, minimum value, recorder status, over-temperature duration, over-temperature times, alarm status (high and low temperature independent)
LED indicators	Operation indication/no alarm (Green LED) High temperature alarm (Red LED) Low temperature alarm (Blue LED)
Calibration points	-20°C, +2°C, +8°C, 20°C, +40°C, 60°C
Alarm type	Single

How to use

1. To activate, break the 'Break to Start' tab. The green LED will flash 5 times. The device starts to measure after 30 minutes (start delay). During start delay, green and red LED flash once every 30 seconds. Place indicator with goods to be monitored.
2. After the 30 minute start delay, the device enters normal measuring status. The green LED indicator flashes once every 30 seconds. Press read button to view device status on demand.
3. Alarm: When the temperature exceeds the upper temperature limit for over 30 minutes (alarm delay), the red LED flashes at an interval of 30 seconds. When the temperature drops below the lower temperature limit for more than 30 minutes (alarm delay), the blue LED flashes at an interval of 30 seconds.
4. To stop the device break the triangle 'Break to Stop' tab.
5. Data can be viewed on NFC enabled phones via the eTimestrip app.

Get app: Scan the QR code below to download the eTimestrip app and view instructions



Contact us for more information:
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