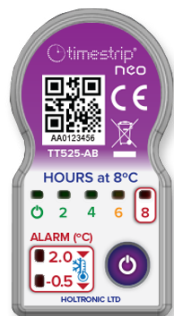# Product Specification

Timestrip® TIMSEN020

Timestrip® **neo** is an electronic indicator that uses seven LEDs to provide clear, non-reversible alerts when the temperature extends above or below a specified monitoring range.

The Timestrip® **neo** is a platform for a series of small, micro-weight indicators with huge versatility.

Benefits & Features

- Simple to use, no training required
- Cost effective solution for supply chain monitoring
- Very small and light
  - attaches to products or packaging
- Highly configurable at order stage

Applications

For temperature monitoring during storage and transportation in:

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

Specification

Operating range	-20°C to 60°C
Sensor	Internal NTC
Type of use	Single use, non-reversible
Activation	Hold button for 3.5 seconds
Query status	Press button
Start delay	30 minutes
Temperature sample rate	32 seconds
Temperature breach duration	10 minute below -0.5°C 30 minute below 2°C 8 hours cumulative above 8°C
Monitoring Stop	Disabled
High temperature alarm	8°C ±0.5°C
Low temperature alarm	2°C ±0.5°C
Low temperature alarm	-0.5°C ±0.5°C
LED indicators	Power on Over 8°C for 2, 4, 6, 8 hours Under 2°C for 30 min Under 0.5°C for 10 min

Shipping & Handling

Size	22.6mm x 42.3mm x 5.6mm
Weight	6g
Housing	Rigid plastic
Battery	CR2032 lithium button cell
Active Life	1 year
Shelf Life	2 year
Environmental	IP54

LED Notifications

Status	LED Indication
Start	Green 'Power' LED flashes 3 times ● ● ●
Display update	LEDs flash once every 8 seconds
Temperature below 2°C for >30min	Red '2°C' LED flashes once every 8 seconds ●
Temperature below -0.5°C for >10min	Red '0.5°C' LED flashes once every 8 seconds ●
Temperature above 8°C for >2hrs cumulative	Green '2' LED flashes once every 8 seconds ●
Temperature above 8°C for >4hrs cumulative	Green '4' LED flashes once every 8 seconds ●
Temperature above 8°C for >6hrs cumulative	Amber '6' LED flashes once every 8 seconds ●
Temperature above 8°C for >8hrs cumulative	Red '8' LED flashes once every 8 seconds ●

How to use

1. To activate, press and hold the button for >3.5 seconds until the green 'Power on' LED lashes 3 times.
2. Once the indicator has been activated, the 'Power on' LED will flash every 8 seconds.
3. The device starts monitoring temperature after the 30-minute start delay.
4. If no temperature breach has occurred, the green 'Power' LED will flash.
5. When the temperature drops below 2°C for more than 30 minutes, the red '2°C' LED will flash.
6. When the temperature drops below -0.5°C for more than 10 minutes, the red '-0.5°C' LED will flash.
7. When the temperature exceeds 8°C for more than 2 hours cumulative, the green '2h' LED will flash.
8. When the temperature exceeds 8°C for more than 4 hours cumulative, the green '4h' LED will flash.
9. When the temperature exceeds 8°C for more than 6 hours cumulative, the amber '6h' LED will flash.
10. When the temperature exceeds 8°C for more than 8 hours cumulative, the red '8h' LED will flash.

Customise

The Timestrip® **neo** is fully customisable for length of time monitoring, as well as three temperatures. Custom branding is also available. MOQ for custom TT525 is 20,000 units.

Contact us for more information: 1-800-TIP-TEMP