



To solve problems
caused by:



Temperature
variations



Climatic
conditions

propa[®]therm

descending

Descending temperature indicators

Simple, precise, economical and easy to apply, **temperature indicators** are devices capable of recording whenever the temperature goes beyond the previously set minimum or maximum limit, so that you will be promptly warned of any faults in the cooling systems or insulation just upon the arrival of the merchandise.

Cold Chain Complete

This temperature indicator is ideal for respecting the cold chain during transport of vaccines and all temperature-sensitive products. This double indicator, ascending and descending, checks that the temperature is always maintained in the desired range and is available in the following versions:

2-8°C 8 hour run out	2-8°C 48 hour run out	2-25°C 8 hour run out
0-8°C 8 hour run out	0-8°C 48 hour run out	0-25°C 8 hour run out





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FreezeSafe and Tempasure

These are indicators able to control the descending temperatures through the irreversible color change providing evidence of a below threshold temperature excursion in a clear and easily way. They are the ideal solution for pharma and vaccines temperature control and have the following characteristics:

- **FreezeSafe:** economic and small, they are available for a temperature monitoring of 2°C and 0°C, with a reaction speed between 30 and 90 minutes of exposure, an accuracy of +/- 1°C and 2 year shelf from the production date.



- **Tempasure:** ideal for very low temperatures monitoring, they cover a temperature threshold of -20°C and +10°C and they have an accuracy of +/- 2°C.



A transparent window indicates that the unit has not been exposed to low temperatures potentially critical to the product being monitored.



The indicator clearly shows a red window when the product is subjected to freezing conditions that could damage the product being monitored.





Timestrip Complete

Indicators with a modern design and ease of use that allow easy and immediate control of temperature decreases and the time beyond a certain threshold.

The labels have an adhesive backing, making them easy to apply to the product that needs monitoring.

- **Timestrip Complete TC400** and **TC489**: indicators for temperatures between -2 and $+8^{\circ}\text{C}$ for guaranteeing the cold chain of food, pharma, healthcare and life sciences products.





Timestrip NEO

For even more in-depth control, these new indicators provide additional information on the duration of exposure to various temperature levels, depending on the device used. Very small and lightweight, they offer good accuracy at a low cost.

- **NEO Fridge:** monitors the duration of exposure to temperatures above 8°C and offers a double visual check for descending temperatures with alerts at 2°C and -0.5°C.

Temperature monitoring range:

- Alert below 2°C
- Alert below -0.5°C
- Alert above 8°C with indication of exposure time



- **NEO Freeze Alarm:** monitors the temperature below zero.

Temperature monitoring range:

- 30 minutes
- 60 minutes
- Alert at 0°C

- **NEO Room Temp:** rising and falling temperature indicator with alerts at 25 and 15°C.

Temperature monitoring range:

- Alert above 25°C
- Alert below 15°C

