



ascending  
propa<sup>®</sup>therm

To solve problems  
caused by:



Temperature  
variations



Climatic  
conditions

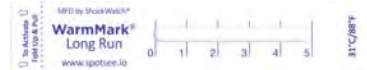
## Ascending temperature indicators

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.

### WarmMark e Thermanx

These are irreversible indicators for monitoring temperature increases. The easy-to-use indicators clearly show when a threshold has been exceeded, and record the temperatures reached during exposure. Ideal for pharmaceutical and food industries, but also many other industrial applications.

- **WarmMark/ WarmMark Duo / WarmMark Long Run:** besides indicating whether the temperature has exceeded the set limit, they also inform you of the exposure duration to excessive temperatures, so you can make a more precise assessment as to the possible damage caused to your products during such events. They can monitor temperature from  $-18^{\circ}\text{C}$  to  $+37^{\circ}\text{C}$ , with a sensitivity margin of  $\pm 1^{\circ}\text{C}$  and 3 year shelf life from the production date.



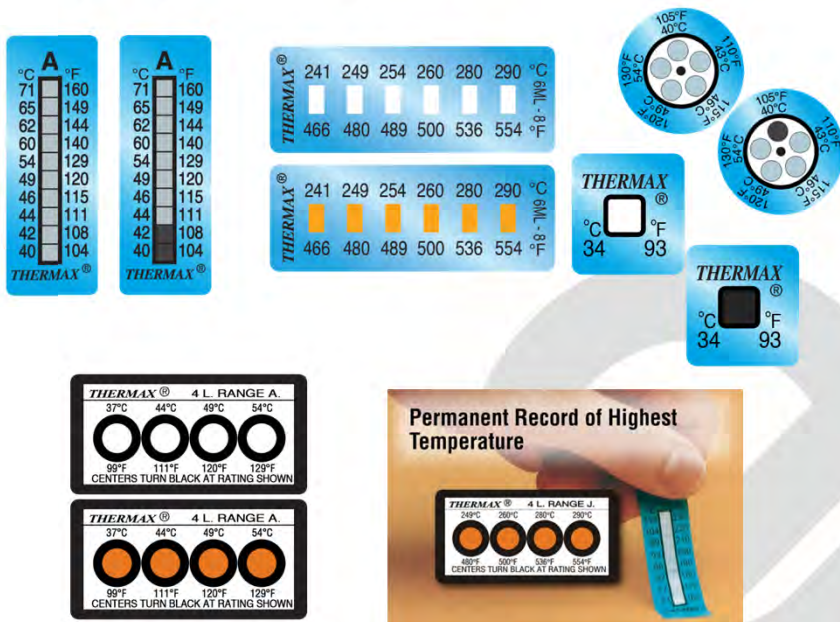


propatherm<sup>®</sup> ascending

- **Thermax:** they offer a highly reliable and irreversible indication of exposure to high temperatures (between 29°C and 290°C).

The change of colour on the windows is clear and irreversible in order to indicate the maximum temperature reached.

The labels will not de-laminate when removed for reference and can be attached to an inspection report to provide a permanent record. They are also oil, water and steam resistant.



### Timestrip Plus, Food and Blood Temp, Complete

The simple to use indicators offer precise monitoring of time since activation or length of a temperature breach.

Timestrip indicators are activated by a simple squeeze of button. The modern design allows users to gather data with a glance. Adhesive backing on the small indicators make them simple to attach to the product, shipment or item to be monitored. **Timestrip** irreversible temperature indicators are available in different models:

- **Timestrip Plus:** classic indicators that monitor temperature.





- **Timestrip Food Temp:** indicators specially designed for monitoring temperatures from 3 to 10°C for food products.

- **Timestrip Blood Temp:** indicators specially designed for monitoring blood supplies during their transport and storage. Blood Temp 10 is an FDA 510(k) approved medical device for monitoring the transport of blood bags at 10°C. Also available in a 6°C version.



- **Timestrip Complete TC400 e TC489:** temperature indicators with monitoring from 2-8°C. Ideal for guaranteeing the cold chain of vaccines and 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:** monitora la temperatura sotto lo 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

