

TimestripPlus

“How long has my product been kept above its maximum recommended storage temperature?”

TimestripPlus™ irreversible indicators monitor the accumulated time that a product has been exposed to excessive temperature.

Product quality can often be compromised by exposure to elevated temperatures during transit or storage. It is not always enough to know that a single event has occurred. What if you need to know how long your product spent above a defined temperature? What if your product can tolerate a number of excursions provided they are short-lived?

TimestripPlus™ not only communicates that one or more temperature excursions have occurred, but also records the cumulative time your product has spent above a critical temperature.

TimestripPlus™ irreversible temperature indicators are highly accurate, cost-effective and easy to use. They are supplied in an adhesive label format that is ideal for direct application either to products or packaging.

TimestripPlus™ indicators are completely inert prior to activation, which is performed by simply squeezing the blister on top of the indicator.

The viewing window undergoes a distinctive colour change from white to blue, showing that it is active. As long as the product is held under the safe temperature, the colour does not progress. If the temperature threshold is breached, the colour moves across the scale, indicating how long it has been above that temperature, allowing the user to take the appropriate remedial action.

TimestripPlus™ is the first truly cost effective indicator to estimate the amount of time a product has spent above the threshold temperature.



Inactive
Prior to activation



Activated
Unit is active and ready for use.
Threshold not yet exceeded



Activated
Threshold temperature exceeded
for more than 2 hours.

Features & Benefits

TimestripPlus™ has been designed with several key features:

- Easy to read irreversible display
- Built-in time delay to allow for application in the appropriate temperature environment
- Easily activated at room temperature - no pre-conditioning required
- Stops recording when temperature is below its stopping temperature*
- Provides cumulative temperature breach information
- Pressure sensitive adhesive to adhere to products or packaging
- Safe and disposable

*Detailed response times, testing information and protocols are available upon request.

TimestripPlus™ can be supplied in two formats:

Standard - 40mm x 19mm

with pressure sensitive adhesive for application to individual products and packaging.

Custom -

indicator can be supplied pre-mounted onto a high quality printed carrier label or card for use with secondary packaging. Areas provided on card for users to record observations and instructions.

Temp accuracy: $\pm 1^{\circ}\text{C}$

Time accuracy: $\pm 15\%$ in time under isothermal conditions

