

LTA

Low Temperature Ascending Threshold Indicators



ATI's Low Temperature Ascending (LTA) indicators provide an accurate and affordable solution when you need to know, at a glance, whether products have exceeded a particular threshold temperature.

Many pharmaceutical and medical specimens must be refrigerated or kept below room temperature. Any excursions may have costly and life-threatening consequences. ATI gives you peace of mind with LTA threshold solutions for any need.

ATI's LTA indicators let you easily see if products were exposed to abusive temperatures. At a specific temperature,

the viewing window permanently changes color from white to red. You benefit from accurate, immediate indication anywhere in your cold chain.

You can depend on ATI for a full line of standard LTA indicators, as well as custom solutions for your unique applications. Either way, you can expect 360 degrees of responsive service from ATI.





For shipments as critical as blood products, ATI offers an accurate, affordable, user-friendly solution with LTA irreversible indicators on self-adhesive labels.

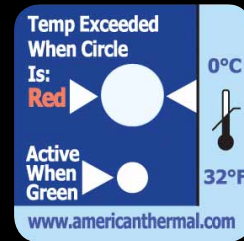
Keep an eye on the safe zone with ATI threshold indicators.

Ship with confidence. With ATI's standard LTA irreversible indicators, you can quickly see if any shipments have exceeded a critical temperature between 0 to 26 degrees Celsius. We help you meet the safety requirements of the pharmaceuticals and medical specimens you ship with an affordable, user-friendly solution.

Apply with ease. Our LTA indicators feature self-adhesive labels, provided in rolls, for easy application to bags, bottles, boxes or other packaging formats. Indicators are activated by pressure, which initiates a chemical reaction. To simplify the process, ATI offers a handy activation tool. At the destination, labels can be removed and attached to quality control documents for reference and validation purposes.

Know at a glance. Three colors on ATI's LTA indicators tell the complete story. On the lower part of the label, a small white dot turns green once the indicator has been activated. A larger white circle at the center of the label permanently turns red once the threshold temperature has been exceeded. A simple statement explains the color changes. As a result, anyone in your cold chain can instantly see if a product or specimen has been exposed to abusive temperatures.

How can ATI help you? Thermal monitoring expertise is a given at ATI. In addition to our wide range of standard LTA irreversible indicators, we specialize in solutions tailored to your unique application needs. ATI is your safe and affordable choice to reduce risk.



Un-Activated
Prior to activation



Activated
Unit is activated and ready for use



Triggered
Response temperature has been exceeded



Specifications

Response Temperatures:
0°C, 2°C, 4°C, 6°C, 8°C, 10°C, 12°C, 14°C,
16°C, 18°C, 20°C, 22°C, 24°C, 26°C

Accuracy: ±2°C

Size: .945" x .945" (24mm x 24mm)

Packaging: Provided in roll form

Indicator Display: Irreversible color change – white to red

Conditioning: At least 5°C below response temperature at least ½ hour prior to activation

Activation:

Via pressure with ATI activation tool

Storage: Room temperature



P 800.648.6339
937.429.2114
F 937.429.3558
2400 East River Road
Dayton, Ohio 45439 USA
www.americanthermal.com

Version 1
2/9/2011