

ARC COLD CHAIN SENSOR

Maintain safety and compliance with a unique temperature sensor for cold chain

CHALLENGES:

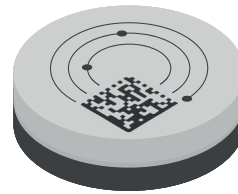
Cold chain management is costly and complex, requiring the precise monitoring and tracking of packages – as any delay could mean expensive losses, especially in the case of temperature-sensitive products.

The global market estimates that the need for temperature-controlled packaging solutions for pharmaceuticals will rise at a 9.2% CAGR to reach USD 20.3 Million by 2030, according to forecasts by Market Research Future (MRF). Especially during the spread of the pandemic, temperature-controlled packaging solutions for the pharmaceuticals market witnessed a significant boost.

The innovation in cold chain technologies extends beyond the standard supply chain logistics challenges. Cost-effective smart one-time sensors play a vital role in the cold chain to sustain production, minimize waste, and track and report the temperature inside shipping containers.

HOW DOES IT WORK?

ARC Cold Chain Sensor is an innovative solution for the monitoring of the entire cold chain process to track the temperature.

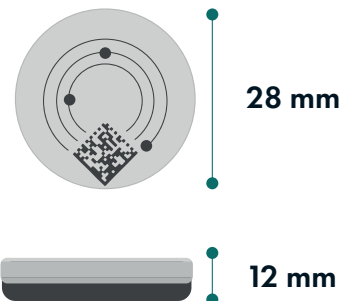


The whole process starts with shaking the sensor to activate it and then scanning to connect the box and sensor. During the transit, the temperature is monitored and logged by the sensors in the box. If the temperature of the goods exceeds the limits, the sensor will automatically trigger an alert, and the sensor's LED will blink to warn the operator visually.

Upon reaching the destination, the temperature will be validated. If there is a temperature violation, the sensor will blink the red, and if the temperature is in compliance, then the sensor will blink the green. Once the temperature complies, the data captured by the sensors are automatically uploaded to the ARC Cold Chain Cloud.

WITH ARC COLD CHAIN SENSOR, YOU WILL BE ALLOWED TO:

- Increase **operational efficiency** through automation
- Reduce repair cost and maintenance downtime through **better monitoring**
- Quickly detect product **temperature violations**
- **Automatically capture data** directly in items, refrigerated trucks, and cooling rooms
- Access the record and audit **relevant data**
- **Easy integration** with other applications and enterprise systems



At advanco, our goal is to make cold-chain logistics **transparent, regulated** and **secure**.

