



## TECHNICAL DATA SHEET

Document : ST 157  
Edition : 02  
Date : January 2024



Commercial name

# ColdChain Complete Temperature Indicators

Company identification

Authorized dealer: PROPAGROUP S.p.A.  
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## 1. Description and application

ColdChain Complete Temperature Indicators provide monitoring of temperature sensitive products. It is a single use visual indicator that provides accurate and irreversible evidence of a cold and hot temperature excursion beyond the indicated ranges.

It is available in two formats: the ColdChain Complete standard and ColdChain Complete XS.

## 2. Technical characteristics

Key Specifications	
Temperature Accuracy	$\pm 1^{\circ}\text{C}$ / $\pm 2^{\circ}\text{F}$ for both freeze and warm indicators
Storage Condition	Store in dark environment between $15^{\circ}\text{C}$ - $25^{\circ}\text{C}$ ( $59^{\circ}\text{F}$ - $77^{\circ}\text{F}$ ), 35-55% RH
Shelf Life	1 year
Arming Method	Freeze indicator: None Warm indicator: Pull-tab
Mounting Method	ColdChain Complete: Place indicator as close to the product being monitored as possible. ColdChain Complete XS: Adhere or place indicator as close to product being monitored as possible.

ColdChain Complete					
Part Number	Temperature Range	Run Out Time			Freeze Activation
Freeze & 3 Window Warm Indicator Card		Brief	Moderate	Prolonged	Within
27178	$2^{\circ}\text{C}$ - $8^{\circ}\text{C}$ / $36^{\circ}\text{F}$ - $46^{\circ}\text{F}$	2 Hours	12 Hours	48 Hours	90 Minutes
27179	$0^{\circ}\text{C}$ - $8^{\circ}\text{C}$ / $32^{\circ}\text{F}$ - $46^{\circ}\text{F}$	2 Hours	12 Hours	48 Hours	60 Minutes



Freeze & 3 Window Warm Indicator Card	Brief	Moderate	Prolonged	Within
27180	0°C - 25°C / 32°F - 77°F	-	-	8 Hours 60 Minutes
27182	2°C - 25°C / 36°F - 77°F	-	-	8 Hours 90 Minutes
27183	0°C - 8°C / 32°F - 46°F	-	-	8 Hours 60 Minutes
27184	2°C - 8°C / 36°F - 46°F	-	-	8 Hours 90 Minutes

ColdChain Complete XS					
Part Number	Temperature Range	Run Out Time			Freeze Activation
Freeze & 3 Window Warm Indicator Card	Brief	Moderate	Prolonged	Entro	
CCC XS 2-8-8	2°C - 8°C / 36°F - 46°F	-	-	8 Hours	90 Minutes
CCC XS 0-8-8	0°C - 8°C / 32°F - 46°F	-	-	8 Hours	60 Minutes
CCC XS 2-8-48	2°C - 8°C / 36°F - 46°F	-	-	48 Hours	90 Minutes
CCC XS 0-8-48	0°C - 8°C / 32°F - 46°F	-	-	48 Hours	60 Minutes
CCC XS 0-25-8	0°C - 25°C / 32°F - 77°F	-	-	8 Hours	60 Minutes
CCC XS 2-25-8	2°C - 25°C / 36°F - 77°F	-	-	8 Hours	90 Minutes



### 3. Production and Quality

PROPAGROUP is UNI EN ISO9001 / ISO14001 certified and produces in accordance with the requirements of the main European and international standards in the sector.

The values indicated here are the result of standardised lab tests and meant only as an indication to help select and use the products. The user is responsible for ensuring the suitability and completeness of such information in relation to how the product is to be used.

**Written by:** Technical Management

**Revised by:** Quality Department

**Approved by:** Management